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# MEYER SEEDS

U.S. DEPARTMENT OF AGRICULTURE  
★ FEB 2 1934  
U. S. Department of



VEGETABLE  
SEED TRIALS  
HORTICULTURE

24<sup>th</sup>  
Edition

## GARDEN & BOOK

1910  
1934

*The*

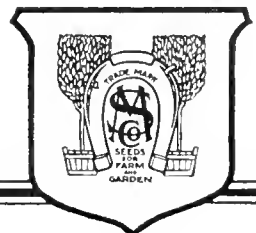
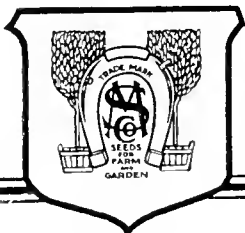
MEYER SEED CO.,

BALTIMORE

MARYLAND

34-36 LIGHT ST.,

Phones: PLAZA 6170-6171



# M.-S. LAWN GRASS SEED MIXTURES

♦ ♦ ♦ BACKED BY MANY YEARS OF REPUTATION ♦ ♦ ♦

**M.-S. ROLAND PARK LAWN GRASS.** Is made from our own formula and composed of grasses and clover which are adapted for producing lawns which retain their rich green color and velvety appearance throughout the entire Summer and Fall. For making a new lawn, 75-100 lbs. per acre is required, or for renovating old lawns, 40-50 lbs. per acre. For a plot 10x20 or 200 sq. ft., 1 lb. is required for a new lawn, or about 1½ lb. for renovating. Lb. 30c., 3 lbs. 85c., 5 lbs. \$1.35, 10 lbs. \$2.50, bushel of 30 lbs. \$7.00.

**EVERGREEN LAWN GRASS.** Composed of grasses and clover, which make a quick, lasting lawn. Lb. 25c., 5 lbs. \$1.15, 10 lbs. \$2.25, bus. of 30 lbs. \$6.25.

**M.-S. SHADY NOOK GRASS.** The grasses used in making this special mixture are only those that are well adapted for growing in shade. Lb. 35c., 3 lbs. \$1.00, 5 lbs. \$1.60, 10 lbs. \$3.00, bushel of 30 lbs. \$8.50.

**M.-S. PLEASURE GROUND MIXTURE.** This special mixture is made from our own formula, and will produce a permanent turf that will stand the hardest wear. Lb. 30c., 3 lbs. 85c., 5 lbs. \$1.35, 10 lbs. \$2.50, bushel of 30 lbs. \$7.00.

**M.-S. TERRACE MIXTURE.** There is nothing more annoying than to have ground washed out. In this mixture we have put quick growing and deep rooted grasses. Of course, it depends a great deal on this being well started before very heavy rains. Lb. 35c., 3 lbs. \$1.00, 5 lbs. \$1.60, 10 lbs. \$3.00, bushel of 30 lbs. \$8.50.

**GUILFORD GARDEN CLUB MIXTURE.** This special mixture is composed of fine bladed grasses and white clover and is used extensively in the Guilford Park and Roland Park sections of Baltimore. 1 lb. 50c., 5 lbs. \$2.25, 10 lbs. \$4.25, 20 lbs. \$8.00.

**M.-S. SEASHORE LAWN GRASS.** Is all that its name implies. Lb. 40c., 3 lbs. \$1.10, 5 lbs. \$1.80, 10 lbs. \$3.50, bushel of 30 lbs. \$10.00.

**M.-S. BENTGRASS, LAWN AND PUTTING GREEN MIXTURE (Cloverless).** There is a steady demand for a reliable mixture of grass seeds from those who have found Bent greens more liable to fungus attack than greens composed of mixed grasses, and it is to meet this demand that our mixture is prepared. Our Putting Green Mixture contains a liberal quantity of German Bent in combination with the finest grades of Kentucky Blue Grass and Fancy Red Top, and will give fine satisfaction on greens or lawn. Sow 8 to 10 lbs. to 1000 sq. ft. Lb. 50c., 5 lbs. \$2.25, 10 lbs. \$4.25, 20 lbs. \$8.00.

**M.-S. FAIRWAY MIXTURE.** A mixture of grasses for fairways is to be preferred to any one grass and our fairway mixture will give splendid satisfaction wherever used. Lb. 35c., 5 lbs. \$1.60, 10 lbs. \$3.00, 30 lbs. \$8.50.

**R. S. MEADOW GRASS (*Poa trivialis*).** For shady situations in parks and densely shaded lawns, this grass has no superior. It produces a firm and attractive turf where few other grasses can exist. A fine grass for dry ground under bay windows, overlapping roofs and shady side yards. Lb. 35c., 5 lbs. \$1.50.

**CREEPING BENT GRASS.** Especially adapted for putting greens and wherever a velvetlike lawn is wanted. Lb. \$1.00.

**WHITE CLOVER.** ¼ lb. 15c., ½ lb. 25c., lb. 40c.

*Special prices on Grasses in larger quantities on application  
If wanted by Parcel Post, add as to Zones*

## THE LIFE AND BEAUTY OF THE LAWN

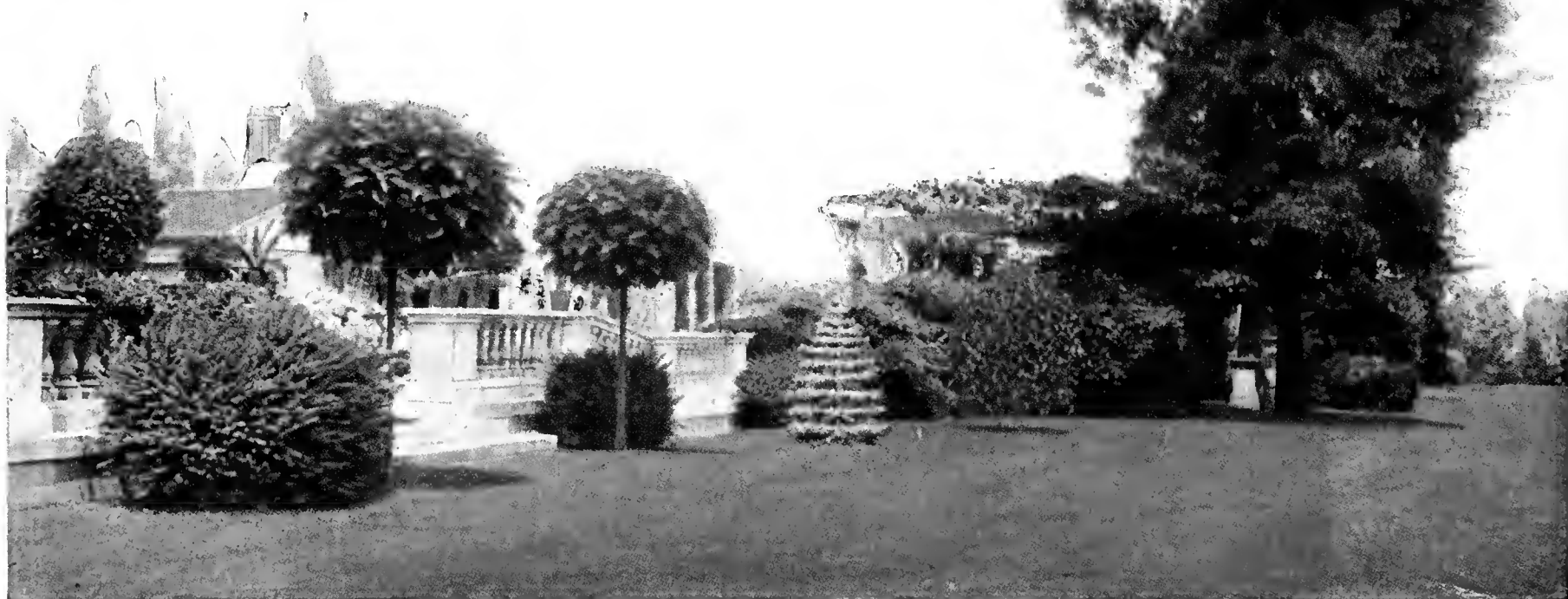
Depends on systematic feeding or fertilization. Do not use stable or barnyard manures, which produce weeds. We recommend the use of Improved Fairway, Vigoro, Loma, Sheep manure or Bone Meal during the Spring and Fall.

## LANDSCAPING AND NURSERY STOCK

We are in a position to furnish you with the choicest nursery stock and also to take charge of your entire landscaping plans, including planting. In fact, we shall be glad to relieve you of your entire landscape and planting problems.

## LAWN BUILDING

We will be very glad to build you a new lawn or rebuild your present one. Questions cheerfully answered and estimates gladly given. No obligation! Try us.







# VEGETABLE SEEDS

**NON-WARRANTY.** We give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any Seeds, Bulbs, or Plants we send out and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned

**WE PAY POSTAGE ON ALL SEEDS ON THIS PAGE**

## ASPARAGUS—Seeds and Roots

(Roots Ready after March 1st)



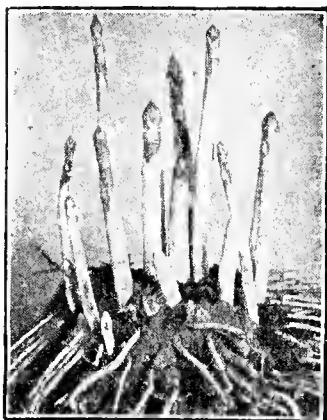
1 ounce to 40 feet of drill, 5 pounds per acre.  
7,300 Asparagus Plants are needed to plant an acre

**Culture**—Sow the seed as early in Spring as the soil can be worked, in drills 1 ft. apart, and when well started, thin out to 3 in. apart. When 1 to 2 years old, transplant into permanent beds, which should be well and deeply manured and trenched to a depth of 1½ ft. Set the plants in rows 3 ft. apart, and not less than 1½ ft. apart in the row. Care should be taken that the roots are well spread, and set at a depth of 6 in. below the level of the bed. Cover only 2 or 3 in., and fill in gradually as the plants grow. Very little, if any, should be cut the first year after transplanting, but a fair crop can be cut the second year. Every Fall after the tops have been cut down, apply a dressing of coarse manure, and in the Spring, fork it in. An occasional top dressing of salt at the rate of one-half pound per square yard is also beneficial.

**Columbian Mammoth White.** Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

**Mary Washington.** This Asparagus, which has been selected by the United States Department of Agriculture, Washington, D. C., has proven to be nearly rustfree. The shoots are thick and heavy. They are long and straight with closely folded tips. The color is rich dark green, tinted darker at the tips. It is an early heavy yielder of exceptionally fine flavor. Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. \$1.00.

**Palmetto.** It is of very large size, even and regular in growth and appearance. It is a very early sort and immensely productive and of the best quality. Green shoots. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.



MARY WASHINGTON

**TWO-YEAR-OLD ASPARAGUS PLANTS**—See page 21.

## ARTICHOKES

**Culture**—Sow seed in hotbed in February or March, in rows 6 in. apart. Transplant, when large enough, into boxes or pots. After danger of frosts is past, plant in the open ground, in rows 3 ft. apart, 2 to 3 ft. apart in row, care being taken to press firmly in the ground, but do not plant too deep.

**Large Green Globe.** This is a very delicious vegetable. Some prefer it cooked like Asparagus—that is, take the flower head before it begins to open and cook much the same as Asparagus. Pkt. 10c., oz. 50c., ¼ lb. \$1.40, lb. \$5.00.

**ARTICHOKE ROOTS (Jerusalem)**—See page 21.

## BRUSSELS SPROUTS

A species of the Cabbage family, which produces miniature heads from the sides of the stalk. These heads are a great delicacy, cooked in the same way as Cauliflower. Sow seed about the middle of May, in a seed bed, and the plants afterwards set in rows 2 ft. or more apart and cultivated like Cabbage.

**Improved Dwarf.** Produces compact sprouts of finest quality; a good keeper. Pkt. 10c., oz. 20c., ¼ lb. 60c., lb. \$2.00.

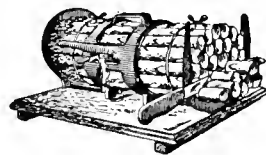
**FOR PLANTS**—See page 21.

### VEGETABLES YOUR BEST FOOD

Our health depends a great deal on what we eat. The average American meal consists of acid forming food and so refined that the best elements are lost and therefore detrimental. Vegetables are your best food; eat more of them.

## ACCESSORIES FOR ASPARAGUS CULTURE

**Asparagus Buncher.** Even where one has a limited amount of Asparagus to market it pays to use a buncher. It is quickly tied and looks uniform. With knife guard \$3.50; parcel post wt. 8 lbs.



**Asparagus Knife.** V-shaped blade 40c.; parcel post wt. 1 lb.

**Asparagus Salt.** Applied in the Spring, 600 to 800 lbs. per acre. For destroying weeds. 10 lbs. 25c., 50 lbs. \$1.00, 100 lbs. \$1.50, 200 lbs. \$2.50.

**Raffia.** The ideal material for tying Asparagus. In hanks, lb. 30c. (hank runs about 1 lb.), 25 lbs. or more at 25c. per lb.

**Jute Twine.** Very soft and pliable. Ball 15c., postpaid 20c. Special price on quantities on application.

**Red Tape** for tying Asparagus. 1000 yds. \$2.50, postpaid \$2.60.

**Prices Subject to Change**

## BROCCOLI 1 ounce of seed to 200 feet of row

A plant much resembling the Cauliflower. Broccoli requires a longer season to develop than Cauliflower. It has more numerous and stiffer leaves; heads are smaller. Treat same as Cabbage.

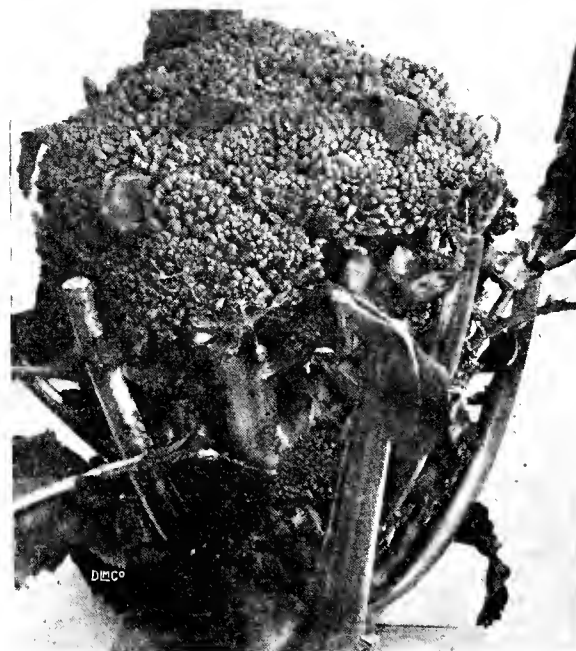
**Early Large White.** Heads medium size, close and compact. One of the most certain to head. Pkt. 10c., oz. \$1.00.

**Early Purple Cape.** Rather hardier sort, with greenish purple heads, good flavor. Pkt. 10c., oz. \$1.00.

### BROCCOLI—CALABRESE—

This variety is the Broccoli which is served in the first class restaurants and hotels and is becoming popular on the family table. It is cooked and served like Cauliflower; it has a delicious flavor and is highly praised by epicures.

**Culture**—Sow seed in open ground first of April. Set plants out May 15 to June like late Cabbage. Pkt. 10c., oz. 50c., ¼ lb. \$1.50, lb. \$5.00.



BROCCOLI CALABRESE

**CALABRESE PLANTS.** See page 21.

### SPROUTING BROCCOLI—

**Culture**—Sow about middle of August in rows 32 in. apart, well fertilized, using 2 lbs. of seed to the acre, covering the seed ½ in. Cultivate twice before freezing weather. In cold weather tops will die down. As soon as it begins to get a little warm in February, put on a top dressing of nitrate of soda or some quick acting fertilizer. Cultivate after top dressing is put on. About the middle of March it will commence to stalk up with several shoots per stalk, with green blossoms. When stalks are about 8 in. high cutting may commence. Tie in bunches like Asparagus, with 1 to 1½ lbs. in a bunch. Ship in crates, 2 dozen bunches per crate. Cutting will commence around the middle of March and continue until around the 10th of April. If weather is warm may cut 2 to 3 times each week. After cutting is over the same land may be used for any desired crop. Leaves may be cut and shipped to Northern markets, commanding a fair price. Served like Asparagus or Greens, it makes a delicious and wholesome dish. Pkt. 10c., oz. 20c., ¼ lb. 45c., lb. \$1.50.

NEW STRINGLESS GREEN POD BEAN (*Tendergreen*)

**New Stringless Green Pod.** Also called **Tendergreen.** An outstanding, green-podded Bush Bean of highest quality. Splendid for home and market use as well as for canning. Plants are large, erect, prolific, with large, dark green leaves. Fifty-one days from planting to eating stage; rather concentrated season in pod development. Pods are  $5\frac{1}{2}$  to  $6\frac{1}{2}$  in. long, nearly straight, round, absolutely stringless and fiberless, fleshy, smooth and very attractive. Dry seed is brownish black, mottled with light fawn. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.15, peck \$2.00, bus. \$7.00.

**Dwarf Horticultural, or Cherry.** This is a broad, long, flat, meaty Bean; very productive, of delicious flavor; absolutely stringless. It also makes a good dried Bean for Winter. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.15, peck \$2.00, bus. \$7.00.

Use  
Stimugerm  
Inoculation  
on  
all  
Beans

See page 23

### SHELL BEANS—For Winter Use

**White Navy, or Boston Pea Beans.** Yields large quantities of white Shell Beans which are used for baking. Pkt. 10c., pt. 20c., qt. 35c.,  $\frac{1}{2}$  peck \$1.00, peck \$1.50, bus. \$5.00.

**White Marrowfat.** Planted almost exclusively for Winter use, making large white, kidney shaped Beans. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.15, peck \$2.00, bus. \$7.50.

### BUSH BEANS—Wax or Yellow Podded

**M.-S. SURE CROP STRINGLESS WAX.** This is a grand Bean. Absolutely stringless and a great rust resister. Will produce an abundance of long yellow flat pods. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.15, peck \$2.00, bus. \$7.00.

**Currie's Rust-proof Black Wax.** Valuable for general use, being early, hardy, and a heavy yielder. Extra long, flat pods of fine color and not apt to rust. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.15, peck \$2.00, bus. \$7.00.

**Davis Kidney Wax.** Beans handsome flat yellow pods. White seed. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.15, peck \$2.00, bus. \$7.50.

**Improved Golden Wax.** Small plants of erect growth, bearing flat, thick pods about 5 in. in length and of excellent quality. An early and reliable variety; recommended for home use. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.15, peck \$2.00, bus. \$7.50.

PRICES SUBJECT TO CHANGE

# BEANS

## BUSH BEANS—Green Podded

If Beans are to be sent by parcel post, add 8c. to pt., 10c. to qt., 16c. to  $\frac{1}{2}$  peck, 25c. to peck, 77c. to bus.; packet sent postpaid.

**Culture**—The seed should not be planted before the ground becomes light and warm, in favorable seasons, usually about the middle of April to first of May. The soil should be rich and mellow, and the seeds scattered about 3 in. apart in drills 2 ft. apart, and covered about 2 in. deep. Successive sowings made at intervals of about 2 weeks until August 15, will give a plentiful supply of Beans all season. 1 qt. of seed will sow 100 feet of drill; 2 bus. will sow an acre. **We furnish 10c. packages of all Beans.**

**Burpee's Stringless Green Pod.** An ideal variety having round, slightly curved, fleshy and exceedingly tender pods. Matures a few days earlier than the Giant sort. Pkt. 10c., pt. 20c., qt. 35c.,  $\frac{1}{2}$  peck \$1.00, peck \$1.75, bus. \$6.50.

**M.-S. Giant Stringless Green Pod Beans.** Of finest quality, large, handsome pods, some of which measure fully 6 in. in length. Very productive, very fleshy and entirely stringless. Specially adapted to the home garden. Pkt. 10c., pt. 20c., qt. 35c.,  $\frac{1}{2}$  peck \$1.00, peck \$1.75, bus. \$6.50.

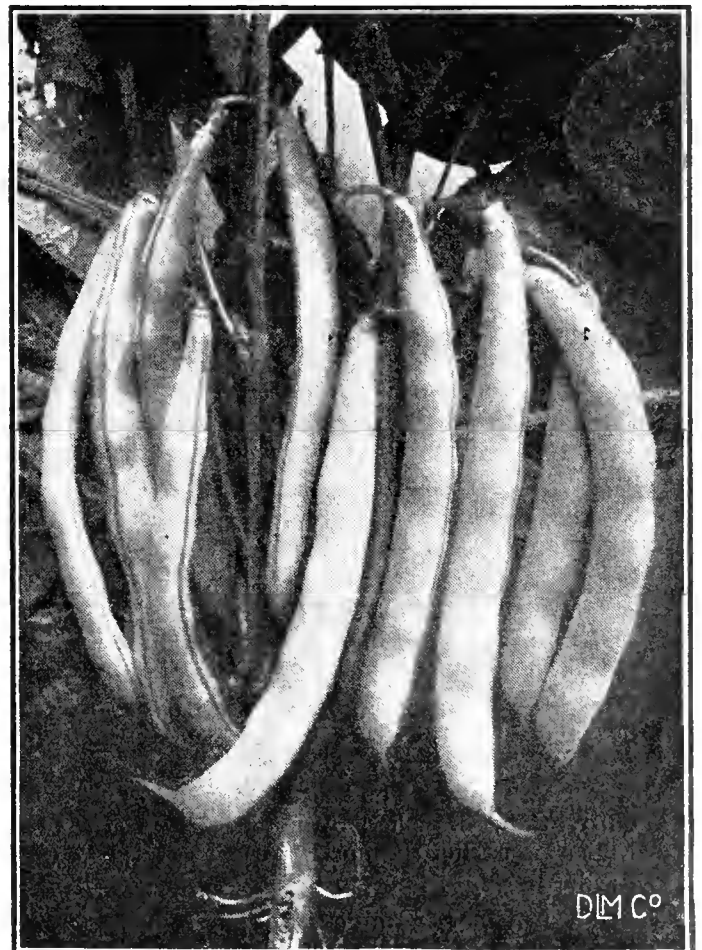
**Bountiful.** Easily the earliest and most productive flat, green-podded, stringless Bush Bean in cultivation today. Under favorable conditions of soil and season this variety has been known to bear 1 bus. of pods per 15-ft. row, in the course of the season. The pods average 6 in. long by  $\frac{3}{4}$  in. wide, are thick through, of pleasing light green color, very brittle and absolutely stringless at all stages of development. Bountiful tastes as good as it looks. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.15, peck \$2.00, bus. \$7.00.

**Early Red Valentine.** One of the most popular early snap Beans with round, fleshy pods about 5 in. in length; very brittle, tender and of fine quality. Pkt. 10c., pt. 20c., qt. 35c.,  $\frac{1}{2}$  peck \$1.00, peck \$1.75, bus. \$6.50.

**Full Measure.** A recent introduction. Heavy, light green foliage. Very prolific. Pods  $5\frac{1}{2}$  to 6 in. long, stringless, round, slightly curved; very good quality. Pkt. 10c., pt. 20c., qt. 40c.,  $\frac{1}{2}$  peck \$1.15, peck \$2.00, bus. \$7.50.

**Asgrow Valentine.** This new introduction is typically Black Valentine, has all the sturdy characteristics which popularized Black Valentine as a producer and shipper—has long, practically straight, oval pods of good color and texture and is completely stringless. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.15, peck \$2.00, bus. \$7.00.

If Beans are to be sent by parcel post, add 8c. to pt., 10c. to qt., 16c. to  $\frac{1}{2}$  peck, 25c. to peck, 77c. to bus.; pkt. sent postpaid.



M.-S. SURE CROP STRINGLESS WAX





M.-S. GIANT PODDED  
POLE LIMA

## POLE LIMA BEANS (FOR POSTAGE ON BEANS, SEE PAGE 3)

*Culture*—These require pole 8 to 10 ft. long. The Beans should be planted in May if the season is suitable. Set poles 4 ft. apart each way, and plant 4 to 6 Beans, about 1 in. deep, around each pole. Thin out to three plants to a pole, if the soil is rich; pinch off the ends of plants when they overrun the top of the poles to effect a more perfect growth below. Lima Beans for early use may be grown in pots in frames and transplanted. 1 qt. to 100 poles.

**Early Leviathan.** The earliest large Pole Lima; very productive. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.25, peck \$2.25, bus. \$8.00.

**King of the Garden.** Vigorous grower, bearing large pods, 5 to 8 in. long. Beans large and of rich flavor. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.25, peck \$2.25, bus. \$8.00.

**Sieva or Small White Lima (Butter Bean).** Early and productive, a great drought resister, smaller than regular Limas, but juicy and of fine flavor. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.25, peck \$2.25, bus. \$8.00.

**M.-S. Glant Podded.** Is the largest of all Pole Limas. The pods measure from 7 to 8 $\frac{1}{4}$  in. in length with a width of 1 $\frac{1}{2}$  to nearly 2 in. The beans are extra large. They are invariably of superb flavor. The vines easily attain a height of from 10 to 12 ft. The pods are produced in clusters of from 4 to 8 until killed by frost. Pkt. 10c., pt. 30c., qt. 50c.,  $\frac{1}{2}$  peck, \$1.50, peck \$2.75, bus. \$10.00.

**Dreer's Improved Challenger or Potato Lima.** Beans round and thick, of delicious flavor, easy to shell, immense cropper. Pkt. 10c., pt. 30c., qt. 50c.,  $\frac{1}{2}$  peck \$1.50, peck \$2.75, bus. \$10.00.

## BUSH LIMA BEANS

*Culture*—1 qt. to 100 ft. of drill. Seed 2 in. apart or plant in rows 2 ft. apart and make hills 1 ft. apart in the rows.

**Fordhook Bush Lima.** Beans large, round, thick, green and of delicious flavor, bearing in clusters of from 4 to 8 averaging 4 large beans to the pod. Pkt. 10c., pt. 35c., qt. 60c.,  $\frac{1}{2}$  peck \$2.00, peck \$3.50, bus. \$12.00.

**M.-S. Enormous Bush Lima Beans.** As the name implies, these are truly enormous, bearing in abundance, large pods which are filled with delicious large beans. Pkt. 10c., pt. 35c., qt. 60c.,  $\frac{1}{2}$  peck \$2.00, peck \$3.50, bus. \$12.00.

**Burpee's Improved Bush Lima.** Bears an abundance of thick, kidney shaped beans. Pkt. 10c., pt. 30c., qt. 50c.,  $\frac{1}{2}$  peck \$1.50, peck \$2.75, bus. \$10.00.

**Burpee's Bush Lima.** Pods abundantly and well filled with handsome, flat beans. Pkt. 10c., pt. 30c., qt. 50c.,  $\frac{1}{2}$  peck \$1.50, peck \$2.75, bus. \$10.00.

**Henderson's Dwarf Lima.** The popular baby Lima; their flavor is excellent. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.25, peck \$2.25, bus. \$8.00.

## ENGLISH or BROAD WINDSOR BEANS

*Culture*—Same as Bush Limas, only plant thinner. A bean similar to Lima Beans, but a different flavor and larger. Should be planted early, March or April, as they are very hardy.

Pkt. 10c., pt. 25c., qt. 40c., peck \$2.50  
We furnish 10c. packages of all Beans

## POLE STRING BEANS

(GREEN AND WAX POD) *Culture*—Same as Pole Lima.

**M.-S. Golden Cluster Wax.** Deep yellow flat pods, often 8 in. long. Heavy yielder, bearing in large clusters. Pkt. 10c., pt. 30c., qt. 50c.,  $\frac{1}{2}$  peck \$1.50, peck \$2.75.

**M.-S. Kentucky Wonder Wax.** Same as the above Kentucky Wonder, with exception of beautiful yellow pods. Pkt. 10c., pt. 30c., qt. 50c.,  $\frac{1}{2}$  peck \$1.50, peck \$2.75.

**Kentucky Wonder, or Old Homestead.** The most popular of the Pole varieties, and it should be in every garden where beans are planted. It grows luxuriantly and bears for a long period. Pods are very long, very fleshy and deeply creased or saddle backed, green in color and stringless. Seed light brown. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.40, peck \$2.50.

**Lazy Wife, or White Cherry.** Pods 6 to 8 in. long, entirely stringless, of a rich, buttery flavor when cooked as a snap Bean; also a good, white shell Bean for Winter. One of the very finest flavored. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.40, peck \$2.50.

**Horticultural, or Pole Cherry.** Pods green, dashed with red when beans are matured. Very showy. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.40, peck \$2.50.

**Yard Long, or Snake Beans.** This is an ornamental as well as useful pole Bean. Produces an abundance of dark green foliage and stringless green pods, often measuring from 2 to 3 ft. long, which when cooked make a delicious dish. Seeds very small. Pkt. 10c., oz. 25c.

## COW BEETS (MANGEL-WURZEL)

*Used for feeding cattle. Sow 5 pounds per acre*

*Culture*—Sow in April and May in thoroughly plowed, well manured soil, in drills 2 in. deep and about 18 in. apart. Thin out to 12 in. and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for Mangel-Wurzel.

**Golden Tankard.** The best long yellow Mangel in cultivation. Relished by milch cows and sheep. Maturing earlier than other large sorts. Oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 50c., 5 lbs. \$2.00.

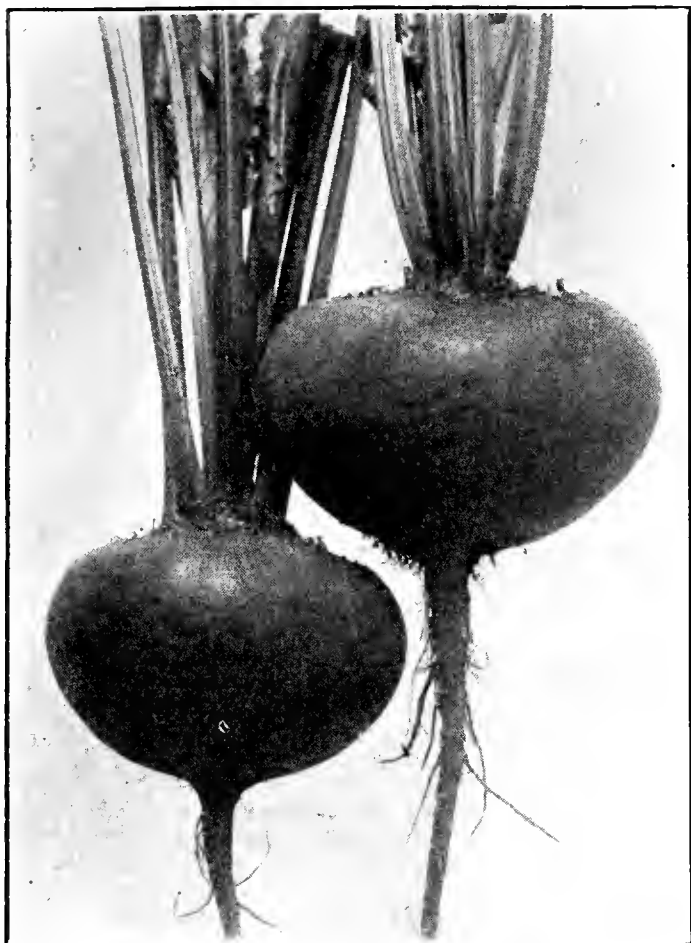
**Jumbo Mangel.** Immense, long, red, very fine quality. Oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 50c., 5 lbs. \$2.00.

**Gate Post Mangel.** Large, yellow, excellent sort. Oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 50c., 5 lbs. \$2.00.

**Mammoth Long Red.** This is an enormously productive variety, yielding from 50 to 70 tons to the acre, a single root often weighing 20 to 40 lbs. The best long red Mangel and very valuable for stock feeding. Oz. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 50c., 5 lbs. \$2.00.



M.-S. ENORMOUS BUSH LIMA BEAN



M.-S. EARLY MARVELOUS BEET

**Early Wonder.** A very early dark red Beet similar to Crosby's Egyptian in shape. Its earliness and deep color make it a favorite with the market gardeners in many sections of the country. It is sweet and tender and a good variety for the home garden. The tap roots are small and the roots are of a desirable shape for bunching. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 90c.

**Extra Early Flat Egyptian.** Maturing in an incredibly short time. Bulbs half globular, or flattened at the poles; roots very slim, skin smooth, leaves red and green, flesh quite dark. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 90c.

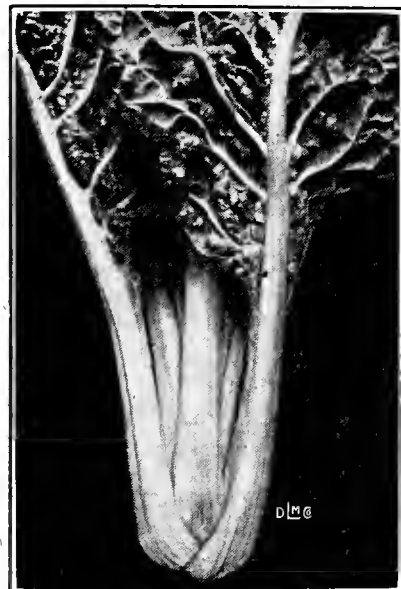
**Crosby's Improved Egyptian.** Very desirable. Thicker in body than the Egyptian small necked and dark fleshed. Fine for early market. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 90c.

**Extra Early Eclipse.** Maturing in an incredibly short time, round shape Beet. Small top, and of excellent table quality. Makes an attractive seller in market. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 90c.

**Crimson Globe.** A second early variety, does not grow large and coarse, the matured Beets being medium in size and good shape. The flesh and skin are both very dark and quality fine, being sweet and tender. The tops are small and dark in color. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 90c.

## SWISS CHARD OR SPINACH BEET

*Cultural Directions*—Swiss Chard is a Beet grown for its leaves. The midrib when boiled makes delicious greens, or the leaves may be boiled and served as Spinach. Sown in the Spring the leaves are soon ready to eat and will continue to grow all through the Summer and Fall. If given a little protection it will survive the Winter and make excellent greens early in the Spring. 1 oz. will sow 60 ft. of drill.



M.-S. DELMONICO SWISS CHARD

**M.-S. Delmonico.** This makes large, handsome, finely crimped light green leaves, which are tender and have a delicious flavor, the ribs are edible and not unlike Asparagus. Absolutely the best for home gardens. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Giant Lucullus.** The leaves of Swiss Chard are used as greens cooked in the same manner as Spinach, and the large ribs are prepared like Asparagus, in which manner they are delicious. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Fordhook Giant.** Decidedly the best of the Chards. Leaves broad, upright in growth, and very dark green, crumpled or savoyed, with broad, white midrib. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**WE PAY POSTAGE ON ALL  
BEET SEEDS**

## BEETS—TABLE

1 ounce of seed sows 60 feet of drill, 5 pounds will sow an acre in drills

*Culture*—The soil best suited to the culture of the Beet is that which is rather light, provided it is thoroughly mixed with manure. If wanted very early sow in hotbeds and transplant, but for main crop sow in the Spring as soon as ground becomes fit to work, in drills 18 in. apart and 1 in. deep. For winter use sow as late as July. When the plants have attained 3 or 4 in. in height thin out so that they stand 5 to 6 in. apart. Keep free from weeds. Before freezing weather sets in the roots may be stored in cellars or pits, same as potatoes. Dry earth thrown over them before the straw and earth covering is put on insures their keeping over Winter. Be careful not to bruise them in handling.

**M.-S. Strain Detroit Dark Red Beet.** Like the Detroit Dark Red, but runs more uniform in shape and color; positively the best Beet for truck farmers, as they always bring top notch prices on the wholesale market, or at the packers. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 90c.

**M.-S. PERFECTION DETROIT DARK RED BEET.** The ideal Beet for market gardeners, it is the darkest red and most uniform Beet ever introduced. It has just the right size top for bunching and will run better than 99 per cent extremely dark red in color without visible zones. Pt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**M.-S. EARLY MARVELOUS BEET.** The ideal Beet for the market or home garden; in shape it is nearly a perfect globe, about 10 in. around, with smooth skin free from rootlets; the flesh is a rich blood red nicely ringed, never stringy, and always tender and sweet; excellent for canning. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 90c.



M.-S. PERFECTION DETROIT DARK RED BEET

## GEORGIA COLLARDS

Culture like Cabbage. The lower leaves are pulled off and used same as Cabbage Sprouts and Kale; will be found very delicious if you have never tried it; give it a place in your garden this coming season. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. 75c.

## CORN SALAD

*Culture*—Sow in Spring, in drills 1 ft. apart; it will mature in 6 to 8 weeks. For Winter and early Spring use, sow in drills in August and September. 3 ozs. of seed to 100 ft. of drill. Will do well if sown in Spring. Large leaved. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 35c., lb. \$1.25.

## CARDOON

Grown for its stalks which make a delicious vegetable. Pkt. 10c., oz. 50c.



# CABBAGE

## M.-S. CHOICE SURE HEADING SEED

(LONG ISLAND GROWN)

1 ounce will produce about 2,500 plants,  $\frac{1}{4}$  pound for transplanting an acre

**Culture**—Sow seeds in January or February in hotbeds, and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows 2 ft. apart, and 12 to 18 in. apart in the row. For second early sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows 3 ft. apart and 2 ft. in rows. Never plant in the same ground two years in succession.

### EARLY POINTED HEAD VARIETIES

**Extra Early Jersey Wakefield.** Our strain of this excellent extra early, pointed head sort is without a doubt the earliest Cabbage of the day. Heads are smaller than Early Jersey Wakefield, but are solid and extremely uniform in both green color and size. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.25.

**Early Jersey Wakefield.** The finest oblong-shaped Cabbage in existence. The head is solid, there being very few outside leaves. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.25.

**Large Charleston Wakefield.** Similar to Early Jersey, but the heads are more blunt, equally as solid, while almost twice the size, matures one week later. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.25.

**Early York.** Resembles the Early Wakefield. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.25.

**Early Winnigstadt.** Resembles Charleston Wakefield. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.25.

### EARLY ROUND AND FLATHEAD VARIETIES

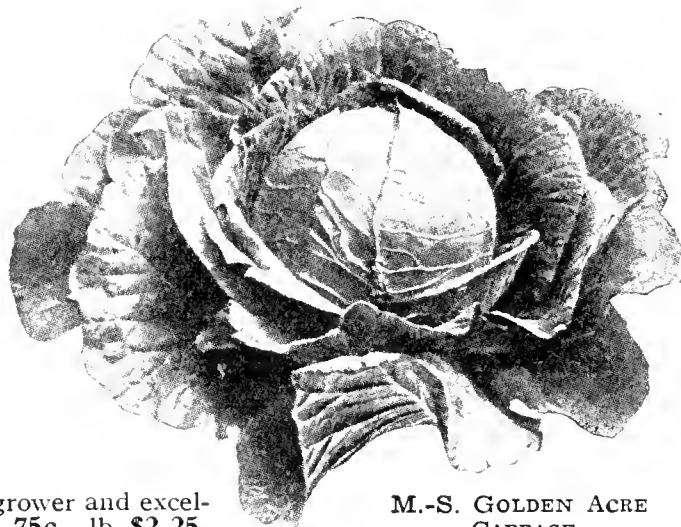
**M.-S. Golden Acre.** This is an extra early strain of Copenhagen Market, maturing about 10 days earlier. It will mature heads in 80 days from time of sowing, measuring 9 in. in diameter, with a uniform weight of 5 lbs. Height of stalk is 2 in. and entire plant consists of 13 leaves allowing close planting. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.50.

**COPENHAGEN MARKET.** Producing a large, globe-shaped solid head which comes into market along with Charleston Wakefield. Our seed comes direct from the originator, makes few loose leaves, a vigorous grower and excellent keeper. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.25.

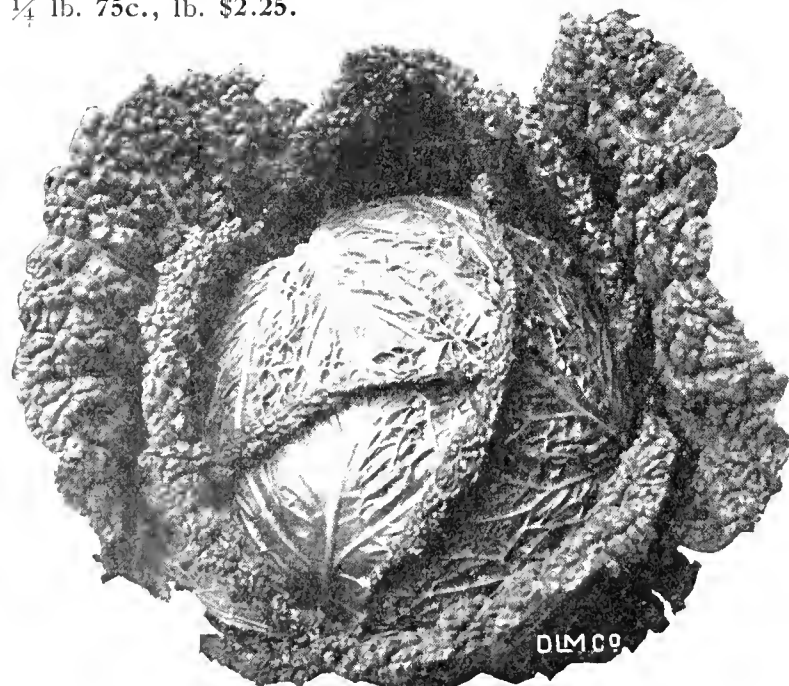
**New Early.** The largest of the early Cabbage. Head roundish flat, remarkably solid. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.25.

**Early Flat Dutch.** A dwarf growing type, principally used for early Summer. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.25.

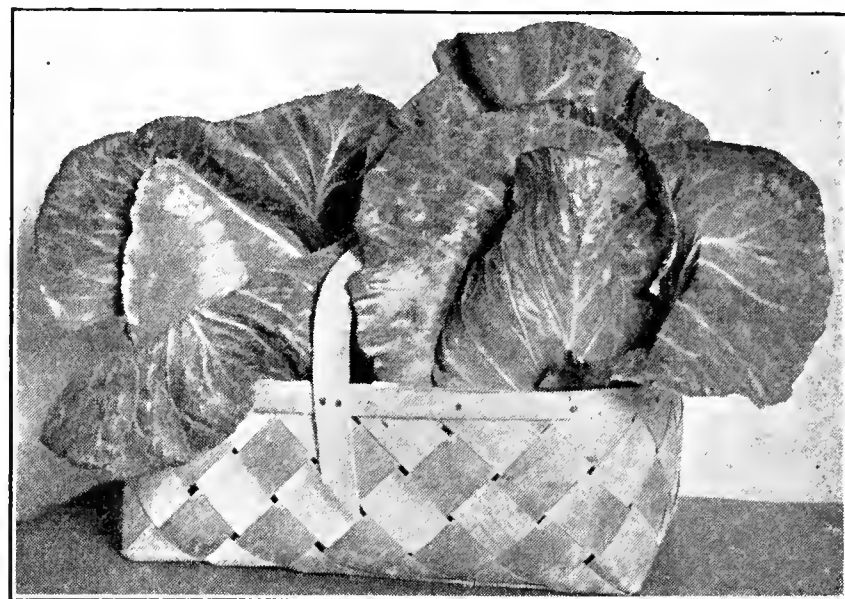
**Glory of Enkhuizen.** Attractive, round, solid, medium-size heads, of remarkably fine flavor; 8 to 9 in. in diameter, and weighing from 6 to 8 lbs. each. They are exceptionally firm and solid, with few outer leaves. One of the most uniform and desirable varieties, suitable alike for garden or field culture. It is somewhat larger than Copenhagen Market, but later in maturing. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.25.



M.-S. GOLDEN ACRE  
CABBAGE



AMERICAN DRUMHEAD SAVOY CABBAGE



EARLY JERSEY WAKEFIELD CABBAGE

### SECOND EARLY VARIETIES

**Succession.** A large, solid, roundish flat-headed sort with few outer leaves. One of the best sorts to follow the Large Charleston Wakefield. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.25.

**Early Drumhead.** A popular sort with market gardeners. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.25.

### LATE, OR WINTER VARIETIES

**American Drumhead Savoy.** A beautifully crimped-leaved sort; color a deep glossy green. The head is almost round. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**Red Dutch Drumhead.** A red variety, used extensively for its good qualities. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.50.

**All Seasons (Vandergaw).** A very large head, flat and solid. It is valuable for Summer or Winter use. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.25.

**Late Flat Dutch.** Improved strain. This has been selected especially for our trade, and seed was taken from the finest type of heads which were selected for solidity and uniformity. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Danish Ballhead.** An elegant medium late variety. Round and compact. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.25.

**CABBAGE PLANTS.** Page 21.

### POP CORN

**Japanese Hulless Pop Corn.** There is hardly a home in the country where during Winter popping of Corn is not a pastime. Not all Pop Corn is the right kind for popping. What we offer can be relied upon for planting or popping. Lb. 10c., postpaid 20c.; 3 lbs. 25c., postpaid 36c.; 5 lbs. 40c., postpaid 53c.



**Yellow Giant.** Make large white, beautiful puffs. Lb. 10c., postpaid 20c.; 3 lbs. 25c., postpaid 36c.; 5 lbs. 40c., postpaid 53c.

Prices on larger quantities on request

### M.-S. ALL WIRE CORN POPPER

25c., postpaid 35c.

WE PAY POSTAGE ON ALL SEEDS ON THIS PAGE

# CARROT

1 ounce to 100 feet of row, 2 or 3 lbs. to acre

**Culture**—A light, loamy soil that has been well manured the previous year is preferred for growing Carrots, although good crops may be obtained from ordinary garden soil. For early use seed may be sown in hotbeds from January until March, and in the open ground as soon as the weather becomes warm and settled, usually in April. Sow seed  $\frac{1}{2}$  in. deep in rows 15 in. apart, and later thin to 5 in. in the row. Keep soil between the rows well hoed and free from weeds. From July 1 to 15, sow for Winter crops.

## M.-S. PERFECTION CHANTENAY.

An exceptionally valuable variety for market gardeners. The color is appealing, rich deep solid orange throughout. Roots are 7 to 8 in. long, tapering slightly. Tops just long enough to bunch well. It is very prolific, brittle, tender, sweet and delicate in flavor. In fact, it is perfect just as its name implies. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**RED-CORED CHANTENAY.** A little more stump-rooted and heavy shouldered than its famous parent Chantenay. The color is a deep orange red and the core is practically the same color. It is of delicate flavor. Tops not too long, making it a desirable bunching Carrot. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 45c., lb. \$1.25.

**M.-S. SOUTHERN PRIDE.** An ideal medium early stump-rooted Carrot; smooth and uniform in shape, averaging 5 in. in length, with thick, heavy shoulders, rather large tops and deep orange color, almost coreless and of fine flavor. Positively the best Carrot for home garden or market. Advisable for truckers. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**Pride of Market Carrot.** Similar to the above. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

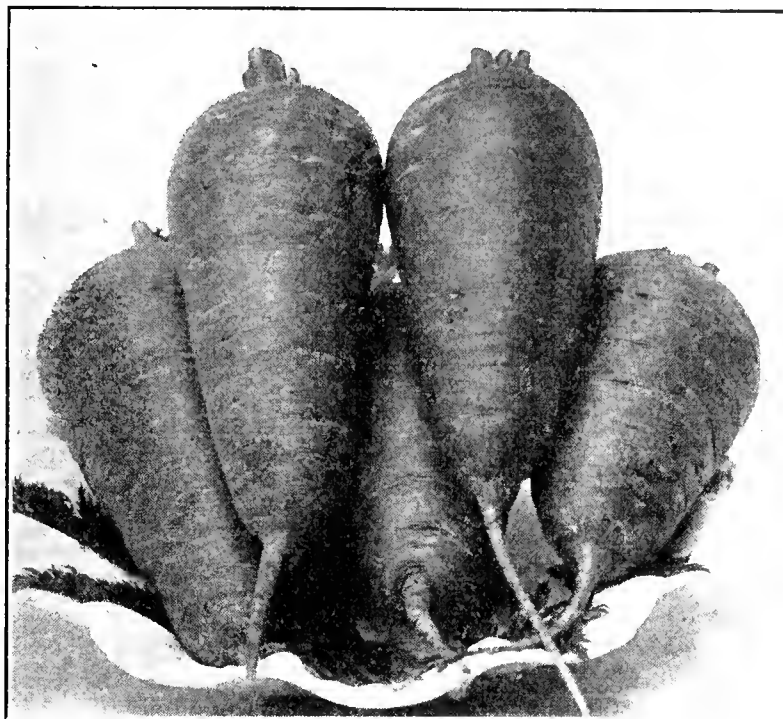
**Chantenay.** Top medium sized, neck small, roots tapering slightly but uniformly stump-rooted and smooth; color, deep orange red; flesh very crisp and tender. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**M.-S. Strain Danvers Carrot.** Like the above, but runs more uniform in shape and darker in color. Advisable for truckers. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**Half-long Orange.** Owing to its enormous yield, this variety is the best and most profitable for main crop, also desirable for feeding cattle. It is somewhat longer than Chantenay. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**Scarlet Horn, or French Forcing.** Extremely early, of small size, but very sweet, tender and beautiful orange red color. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 45c., lb. \$1.50.

**Oxheart, or Guerande.** A short, thick Carrot not exceeding 4 in. in length, and about the same in width which does quite well on hard, heavy soils where the longer varieties are useless. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.



M.-S. PERFECTION CHANTENAY CARROTS

flavor. Fine for shipping, market gardener or home grower. Pkts. 25c. and 50c.,  $\frac{1}{2}$  oz. 75c., oz. \$1.25.

**Golden Self-Blanching.** Tender crispness, delicious nutty flavor, and absence of strings make our Golden Self Blanching a real delicacy. The stalks are broad, thick and heavy, and easily blanch to a rich, appetizing golden yellow. It is one of the easiest Celeries to grow, for it blanches with much less earthing up than most Celeries. Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.00.

**White Plume.** Unsurpassed for Fall and early Winter use, requiring very little earthing-up to blanch it. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**M.-S. MAGNIFICENT.** It is well named for its many good qualities; it is a semi-late sort, coming into use about January. The stalks which blanch almost white are exceedingly brittle; it is a truly good sort and should be planted extensively. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**M.-S. MONARCH.** This variety is a decided acquisition in green Celery, producing large stalks and magnificent bright golden yellow heart. The stalks are very solid, brittle and of most delicious flavor and entirely free from stringiness. It is a remarkably good keeper and presents a handsome appearance when ready for the table. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**Giant Pascal.** The stalks are very large, thick, solid, crisp and of a rich, nutty flavor, good keeper. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

**Golden Heart.** Largely used, always giving satisfaction; a showy sort; solid, of fine flavor and a good keeper. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

**Winter Queen.** This variety grows a very thick, solid and heavy stalk, and has a large heart. It is a close, compact grower, and when blanched is a creamy white color. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

**Easy Blanching.** For early use; preferred by many to all other sorts; as self-blanching as White Plume, and simply needs a slight earthing up. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

# CELERICAC

**Giant Prague Celericac.** This is unquestionably the largest and best Celericac in existence, very large, almost globe shaped, smooth, with only a few roots at the bottom. Flavor is excellent. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**CELERY PLANTS.** See page 21.

**WE PAY POSTAGE ON ALL SEEDS ON THIS PAGE**



M.-S. MAGNIFICENT CELERY

Gentlemen:

Be sure and save me some Red-Cored Chantenay Carrot seed; I was more than pleased with what I had this past season.

Yours truly,

FRED ENDRESS,  
Eastern Ave., Baltimore, Md.



## CAULIFLOWER

Packets, ounces,  $\frac{1}{4}$  pounds and 1 pound, postpaid

1 ounce of seed for 1,500 plants

**Culture**—Sow seed in hotbeds or window boxes in February or March and transplant in coldframes. When hard frosts are over plant outdoors. For second crop, sow in April and set out in May. For late crop, sow in June and set out in July. Plants should be set in rows 3 feet apart, 2 feet apart in the row.

**M.-S. EARLY SNOWBALL.** An extremely early dwarf variety, producing magnificent white heads of fine quality. Well adapted to hotbed culture and outdoor. Pkt. 10c., 25c., and 50c., oz. \$1.50,  $\frac{1}{4}$  lb. \$5.00.

**Dry Weather, or Danish Giant.** The great drought-resisting variety; the heads are large, snow white and are protected with a liberal growth of foliage. This is the ideal variety to plant for Summer use if you want to be sure of Cauliflower at that season. Pkt. 10c., 25c., and 50c., oz. \$1.50,  $\frac{1}{4}$  lb. \$5.00.

**Select Early Dwarf Erfurt.** Of highest excellence, and for field culture not much surpassed by any type of newer name. Some so-called new varieties appear to be identical with Select Erfurt. Pkt. 10c., 25c., and 50c., oz. \$1.50,  $\frac{1}{4}$  lb. \$5.00.

### CAULIFLOWER PLANTS—See page 21.

For Parcel Post, add 8c. per qt., 10c. for 2 qts., 18c. for 1 peck, and 50c. for 1 bus.



GOLDEN BANTAM CORN

## CRESS

**Watercress.** Sow early in Spring near pond or running water; when established will last for years. Pkt. 10c., oz. 50c.

**Land Cress, or Pepper Grass.** Sow in early Spring in rows 2 ft. apart and repeat often as it runs to seed very quickly. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c.

## CHERVIL

Sow like above, used as a salad seasoner. Pkt. 10c., oz. 25c.

## CHINESE CABBAGE

**Pe-Tsal (Improved Chinese Cabbage).** The marked appearance of this Cabbage in quantity the past few years has created a widespread demand for the seed. It is very easily grown and does well in nearly all parts of the country. It should be grown like a late Cabbage, planting in July (Turnip planting time), as early plantings run quickly to seed. The seed is sown in drills 16 to 20 in. apart and the seedlings thinned two or three times. The full grown plant somewhat resembles a Cos Lettuce in appearance. It has a mild flavor and may be eaten raw or as a salad, or cooked. Boiled, minced and seasoned with butter, it is especially delectable. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

## SWEET OR SUGAR CORN

1 quart will plant 200 hills, 8 quarts in hills to acre

Sugar Corn varies in weight according to variety. We have decided to list 44 lbs. as a bushel, except Adams, Truckers Favorite and Red Cob or 90 Day, which weighs 56 lbs. to bushel.

**Culture**—The Sweet or Sugar varieties, being liable to rot in cold or wet ground, should not be planted before May, or until the ground has become warm; for a succession, continue planting every two weeks, until the middle of July, in rich, well manured ground, in hills 3 ft. apart each way, covering about  $\frac{1}{2}$  in. and thin out to 3 plants to a hill. Extra early varieties can be planted 18 in. in the row and  $2\frac{1}{2}$  ft. between the rows. The field varieties should be planted 4 ft. apart each way, leaving 3 plants to a hill.

**No. 1—Golden Bantam.** Extremely early. A true Sugar Corn. The grain when ripe is a bright golden yellow, the flavor is exceptionally rich and sugary. Produces from 2 to 3 good ears to the stalk. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.00, peck \$1.50, bus. \$5.00.

**No. 2—Whipple's Early White.** Is an extra early variety with the deep grain of the Evergreen type. Matures in 65 days. Stalks are 5 to 6 ft. high, of vigorous growth, ears are produced  $1\frac{1}{2}$  ft. from the ground, two to the stalk and are 8 in. long, rather "blocky" in form. 16- to 18-rowed, filled to the end with rather narrow, deep, wedge shape grains of pearly whiteness and high sugar content. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.00, peck \$1.50, bus. \$5.00.

**No. 3—M.-S. SNOW WHITE EVERGREEN SUGAR CORN.** It produces large, uniform ears which are well filled to the top with beautiful white kernels; 10 to 12 days earlier than Stowell's Evergreen. Splendid sort for market and home garden; keeps well after being cut. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.00, peck \$1.50, bus. \$5.00.

**No. 4—Country Gentleman or Shoe Peg.** A short-stalked, productive sort. Ears large for so small a stalk; grain narrow, very deep; excellent quality. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.00, peck \$1.50, bus. \$5.00.

**No. 5—Stowell's Evergreen.** A favorite late Corn for home use, market and canning. Aside from the size of the ears, which are large and well filled, its strong point is that it remains in the green state for a long time. Grains are deep and sugary. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.00, peck \$1.50, bus. \$5.00.

**THE VANGUARD.** Days to maturity, 65-70. It is the earliest large-eared white Sweet Corn we know of, and it has excellent table quality. Pkt. 10c., pt. 30c., qt. 50c.,  $\frac{1}{2}$  peck \$1.50, peck \$2.75, bus. \$8.00.

**Bardens Wonder Bantam.** A yellow Sugar Corn with all that the name implies, making ears up to  $9\frac{1}{2}$  in. long; deliciously sweet and of unsurpassed flavor. Matures only about a week later than Golden Bantam. A strong grower and very productive. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.00, peck \$1.75, bus. \$6.00.

**Black Mexican.** An old favorite, being very tender and sweet. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.00, peck \$1.50, bus. \$5.00.

**Howling Mob.** Another new early Sugar Corn, with fine, large ears, excellent for truckers or the home gardener. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.00, peck \$1.50, bus. \$5.00.

**Extra Early Adams.** Height of stalk 3 to 4 ft., ears set within 6 in. of ground. Not a Sugar Corn, but a decided acquisition so early in the season. Pkt. 10c., pt. 25c., qt. 35c.,  $\frac{1}{2}$  peck 65c., peck \$1.25, bus. \$4.00.

**Early Adams.** Similar to Extra Early Adams, larger, but not so early. Pkt. 10c., pt. 25c., qt. 35c.,  $\frac{1}{2}$  peck 65c., peck \$1.25, bus. \$4.00.

**Trucker's Favorite.** A late variety of Adams type, ears very large, handsome, 14 to 16 rowed, suitable for table or stock. Pkt. 10c., pt. 20c., qt. 30c.,  $\frac{1}{2}$  peck 65c., peck \$1.00, bus. \$3.50.

**POP CORN.** See page 6.

## FIELD CORN

Use Imp. Semesan, Jr. for better crops. See page 42. 8 quarts to the acre, 56 pounds to bushel. Prices subject to change without notice

**Eureka White Ensilage.**

**Boone County White.**

**Collier's Excelsior.** White.

**LANCASTER COUNTY**

**SURE CROP.** Yellow.

**Collier's Success.** Yellow.

**Yellow Leaming.**

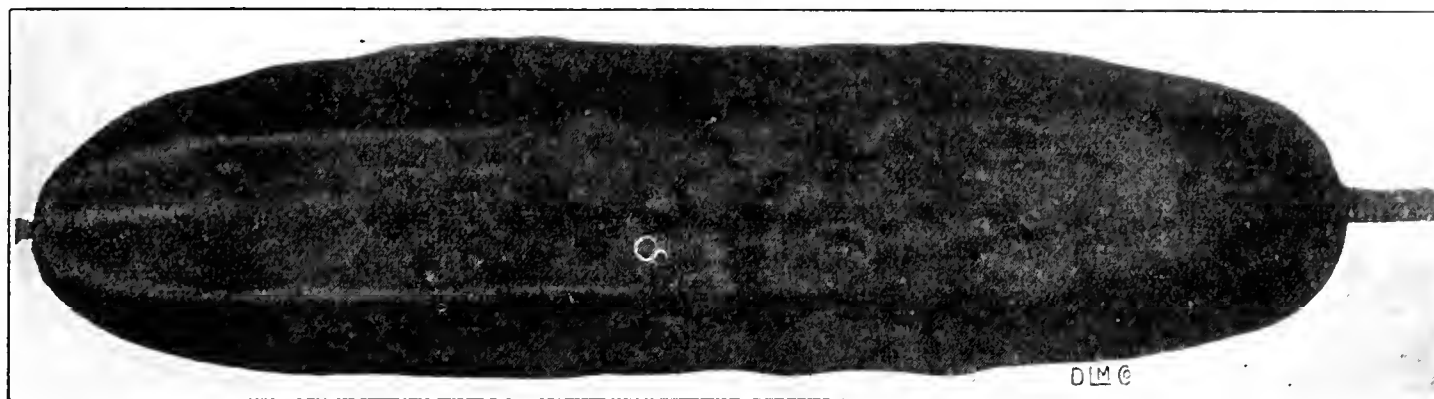
**Golden Beauty.**

**Maryland Yellow Dent.**

Prices on all these varieties. Qt. 25c., 2 qts. 40c., peck 90c., bus. \$2.50.

**Red Cob 90-Day Corn.** A valuable Corn for the truck farmer, as it readily sells for Sugar Corn on account of its similarity, showing long blades on ears; delicious when young. Qt. 25c.,  $\frac{1}{2}$  peck 60c., peck \$1.00, bus. \$3.50.

Prices on Field Corn do not include postage.



CLARK'S SPECIAL CUCUMBER

## CUCUMBER

1 ounce will plant 50  
hills, 2 pounds, 1 acre

**Culture**—For very early Cucumbers, sow the first of April in a hotbed, upon pieces of sod or in small pots, so that they can be readily transplanted to the open ground (in rich soil) when danger of frost is over. For general crop plant, if the weather has become settled and warm, in hills about 4 ft. apart each way; thin out to 4 of the strongest plants to each hill. They succeed best in a warm, moist, rich, loamy soil. For succession sow until the middle of August.

**Clark's Special.** This main crop variety holds its color and firmness in distance shipping and on account of its small seed pocket is excellent for slicing. Its quality is excellent. Attractive, deep green in color, uniform in length, 8 to 10 in., very smooth in appearance and with few white spines. This is probably the finest dark green, white spine Cucumber to date and good for all purposes. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**Woodruff's Hybrid.** A Cucumber of recent introduction, bred for long distance shipping or market gardeners use. This variety is hard to improve; it has good color, tapering ends, size 10 x 3 in. Edible in 62 days; weight,  $2\frac{1}{4}$  lbs., and is a prolific bearer. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**M.-S. COOL AND CRISP.** Ideal for home and market gardening. Extra early and very prolific, long, straight, slender and very dark green; good either for pickling or slicing. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**Longfellow.** An excellent long, slender, dark green variety equally desirable for greenhouse forcing or outdoor culture. An ideal type for the private garden or as a "straight pack" variety for shipment to market. 12 to 14 in. long by  $2\frac{1}{2}$  in. in diameter. W. S. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Early Fortune.** A great favorite with our Anne Arundel County farmers for its early maturity, productiveness, uniformity in large size, dark green color. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 90c.

**New Klondike.** One of the best for shippers. Grows vigorous vines, fruits early and abundantly. Dark green in color; large size, and of fine flavor. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 90c.

**Improved Early White Spine.** Old standard favorite. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 90c.

**Improved Long Green.** Long and crisp; a popular and reliable variety for pickles. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. 1.00.

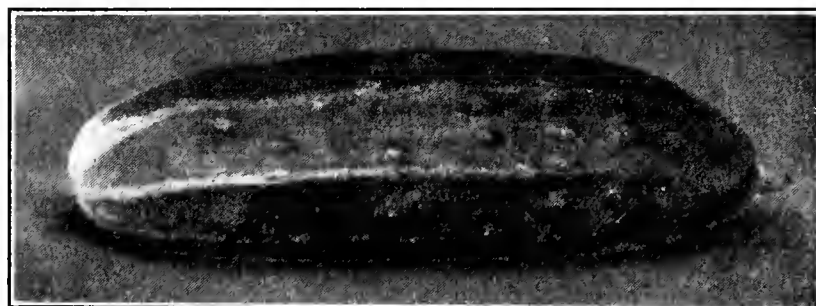
**Japanese Climbing.** Distinct from other varieties, being a real climber. Very prolific of fruit. A valuable, interesting novelty. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 90c.

**Jersey Pickle.** Productive and said to "green" better than any other variety to "hold color." Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 90c.

**Small Gherkin, or Burr.** Used only for pickling while young and tender. Pkt. 10c., oz. 25c.

**English Forcing Telegraph Cucumber.** These are ideal for growing outdoors as well as under glass. They produce enormous fruits, generally 18 to 24 in. long and 3 in. in diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sorts can approach them. Pkt. of 12 seeds 25c., 100 seeds \$1.25.

**Lemon Cucumber.** A very productive variety with round or slightly oval fruits of light creamy yellow color; of distinctive flavor and desirable quality either for slicing or pickling. The fruits are ready for slicing when just starting to turn yellow. For pickling they may be used either green or ripe. Pkt. 10c.



M.-S. COOL AND CRISP CUCUMBER

## EGGPLANT

1 ounce will produce about 1,000 plants

**Culture**—Eggplant seed will not vegetate freely without a strong, uniform heat, and if the plants get the least chilled in the earlier stages of growth they seldom recover. Therefore repeated sowings are sometimes necessary.

**M.-S. Ebony King.** As its name implies, it is almost black, large size, perfect shape, thornless, great drought resister and splendid bearer. Pkt. 10c.,  $\frac{1}{2}$  oz. 25c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50.

**New York Improved Purple.** The leading market variety; of large size, skin deep purple, smooth, free of thorns; flesh white, of excellent quality. Very productive. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.75.

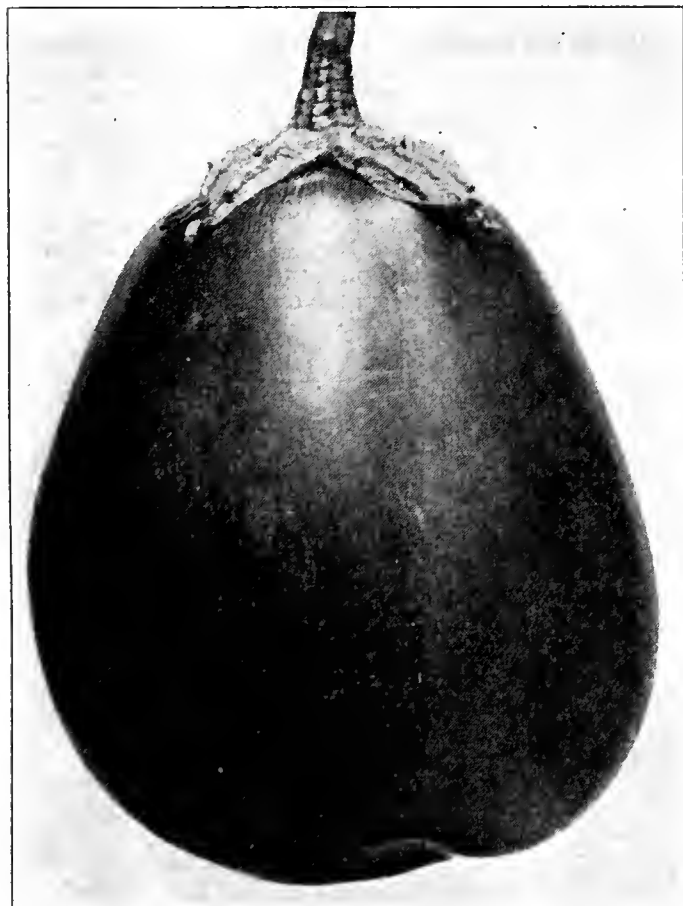
**Black Beauty.** The earliest large variety; color, rich, dark purple. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.75.

**EGGPLANT PLANTS**—See page 21.

## WITLOOF CHICORY (French Endive)

**Witloof Chicory, or French Endive.** Known in restaurants as French Endive. We want to get our customers interested in this delicious vegetable, and feel confident that after it has once been tried it will become quite as popular as Swiss Chard, which was only planted very sparingly a few years ago. Every garden should have a row of Witloof Chicory and we feel sure that every amateur or experienced gardener will be pleased with the results. Witloof is eaten raw or as a salad, and is also sometimes cooked like ordinary Endive. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.75.

**Large-rooted Chicory.** The roots are dried and ground and used for flavoring or to substitute coffee. It can also be served like Salsify. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.



M.-S. EBONY KING EGGPLANT

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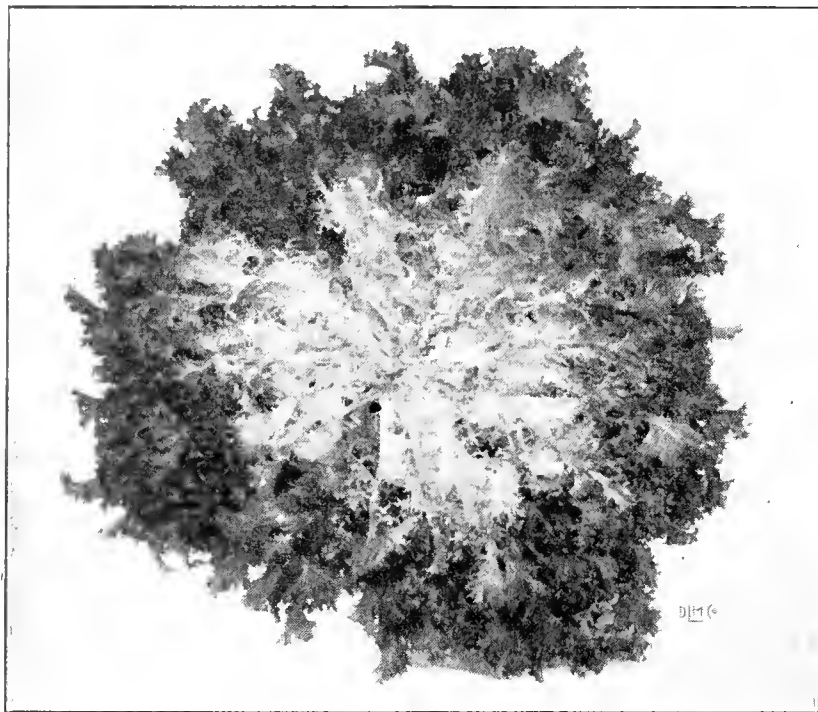
## ENDIVE

*Culture*—Sow in June, July and August; cover lightly; when up thin out to 8 in. apart, and water well afterward, if dry. When the leaves are 6 to 8 in. long, blanch by gathering in the hand and tying together near the top with yard or raffia. This must be done when quite dry or they will rot. At the approach of Winter, take up carefully with a ball of earth to each plant and place close together in frame or cellar for use. They must be kept dry and have plenty of air.

**Green Curled.** Tender and crisp. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**White Curled.** Self-blanching. Very tender when young; blanches readily. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Broad-leaved Batavian** (Escarolle). This variety is chiefly used in soups and stews; it requires to be tied up for blanching. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.



GREEN CURLED ENDIVE

## HERBS

*Culture*—Herbs delight in a rich, mellow soil. Sow seeds early in Spring in shallow drills, 1 ft. apart; when up a few inches thin out to proper distances, or transplant. They should be cut on a dry day just before they come into full blossom, tied in bunches and hung up or spread thinly where they can dry quickly.

**Anise.** Pkt. 10c.

**Balm.** Pkt. 10c.

**Catnip.** Pkt. 10c.

**Pennyroyal.** Pkt. 10c.

**Peppermint.** For flavoring. Pkt. 10c.

**Borage.** Pkt. 10c.

**Caraway Seeds.** Used to flavor bread. Pkt. 10c., oz. 25c.

**Coriander.** Pkt. 10c.

**Dill.** The seeds are used as a condiment and for pickling. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. 75c.

**Fennel, Sweet.** A hardy perennial, indigenous to southern Europe. The leaves are extensively used in sauces for flavoring. Sometimes eaten raw. Pkt. 10c., oz. 25c.

**Horehound.** For medicinal purposes and flavoring.

**Lavender.** For flavoring and perfumery. Pkt. 10c.

**Rosemary.** Leaves used for seasoning. Pkt. 10c.

**Rue.** Pkt. 10c.

**Sage.** For seasoning and dressing. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.25.

**Summer Savory.** Used for flavoring. Pkt. 10c., oz. 25c.

**Sweet Basil.** For flavoring soups. Pkt. 10c., oz. 25c.

**Sweet Marjoram.** Leaves and ends of shoots used for seasoning. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.

**Saffron.** For medicinal and coloring purposes. Pkt. 10c.

**Thyme (Broadleaf).** For seasoning, also for making tea for nervous headache. Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.75.

**Wormwood.** Pkt. 10c.

## FINOCCHIO, OR FLORENCE FENNEL

A delicious vegetable which should be more largely grown. It is extensively used in Italy as a salad, but is particularly palatable when served boiled, with a cream dressing. When the enlargement of leaf stalk, at base of stem, is about the size of a hen's egg it should be earthed up so as to cover half of it, and in about 10 days cutting for use may be commenced and continued as the plants increase in growth. The flavor is somewhat like Celery, but is has a sweeter taste and delicate odor. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

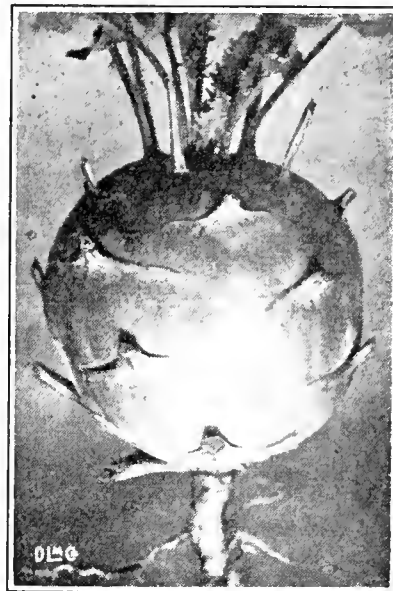
## KOHL-RABI

1 ounce will sow 150 feet of drill

This is a favorite vegetable in Europe, where it is extensively grown for table use. The bulb is formed above the ground, and if used when young and tender, makes a most delicate dish.

**Earliest White Vienna.** Greenish white outside, with clear white flesh within. Smooth short leaf. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.75.

**Earliest Purple Vienna.** Same in every respect as the Earliest White Vienna, except in the outside color. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.75.



WHITE VIENNA KOHL-RABI

## KALE, OR BORECOLE

1 ounce sows a drill of about 100 feet, 2 to 3 pounds to the acre

*Culture*—Sow from May to June, and cultivate same as Cabbage. For early Spring use, sow in September, and protect during Winter. The Kales are more hardy than Cabbage, and make excellent greens for Spring and Winter use, and are improved by frost.

**Borecole, Hardy Winter.** This variety is grown and treated like Cabbage. The plant attains a height of 18 in., with an abundance of beautiful light green leaves which are densely curled and crimped. Besides being very hardy it possesses the advantage of all other varieties in forcing a second crop of moss-curved leaves as soon as the first ones are gone. This new growth is of the finest quality, and is ready for market during the Winter and early Spring months, when it demands fancy prices. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50. **Plants,** see page 21.

**Dwarf German Kale.** Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**M.-S. EMERALD ISLE KALE.** This is really the handsomest Kale that has ever come under our notice, and is entirely distinct from other strains. The closely curled, handsome leaves are most attractive. A fine plant of medium height. Very hardy. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**New Imperial Extra Curled Long Standing.** The leaves are very crimped and of a dark green color. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

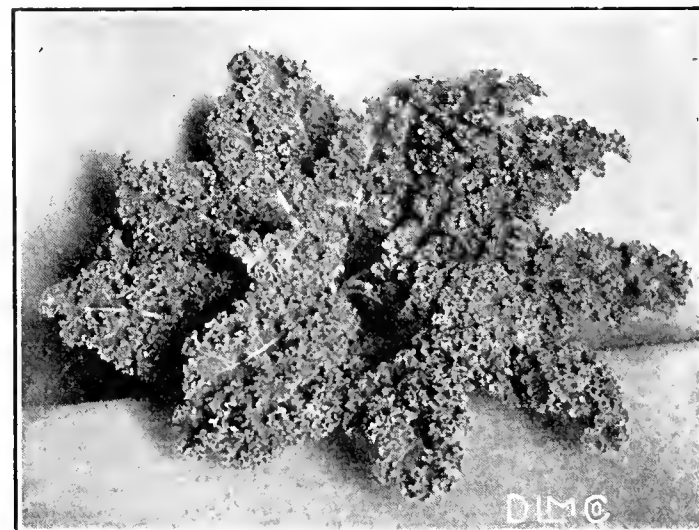
**Dwarf Green Curled Scotch, or Norfolk.** One of the most popular shipping sorts; very largely used in Norfolk trucking district. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. \$1.00.

**Dwarf Blue Scotch, Extra Curled.** This Kale is of a dark bluish-green color, which it retains without yellowing even after several days of transportation, thus commanding a higher price when put upon the market. It obtains a large size and produces a great mass of foliage. In addition it is very hardy and passes the severest Winter without being harmed. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**Tall Scotch.** Best for Summer. Very spreading, nicely curled and hardy; frost improves it. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**Spring Kale.** A hardy, quick growing, smooth-leaved variety. Sow at intervals of 10 days, so as always to have it young and tender. Pkt. 10c.,  $\frac{1}{4}$  lb. 15c., lb. 30c.

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M.-S. EMERALD ISLE KALE



# LETTUCE-M.-S. CHOICE STRAINS

2 ounces of seed to 100 yards of row, 1 ounce for 2,000 plants

**Culture**—Lettuce is now sown during most all seasons of the year. For outdoor use the seed can be sown in well-manured hotbeds in February and March. Transplant there or outdoors when the weather will permit, in rows about 12 in. apart, 10 in. apart in the row. If the salad is not to head, sow thickly and cut as desired. For best results it is well to sow only the varieties best suited to the different seasons and conditions. For Winter use sow the seed in September in hotbeds and follow it with other sowings for succession.

**No. 12 New York, or Wonderful.** Also called **Iceberg** and **Los Angeles**. This very large heading Lettuce is desirable not only as a garden variety for Summer use, but is much used as a Fall and Winter market sort. It is the variety largely grown in California and shipped to Eastern markets under the trade name of Iceberg. The plant is very large but compact and tight heading; outer leaves attractive deep green, broad, frilled at edges. The inner leaves form a large head, very sweet and tender when in condition for use. Cultivate same as Big Boston. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

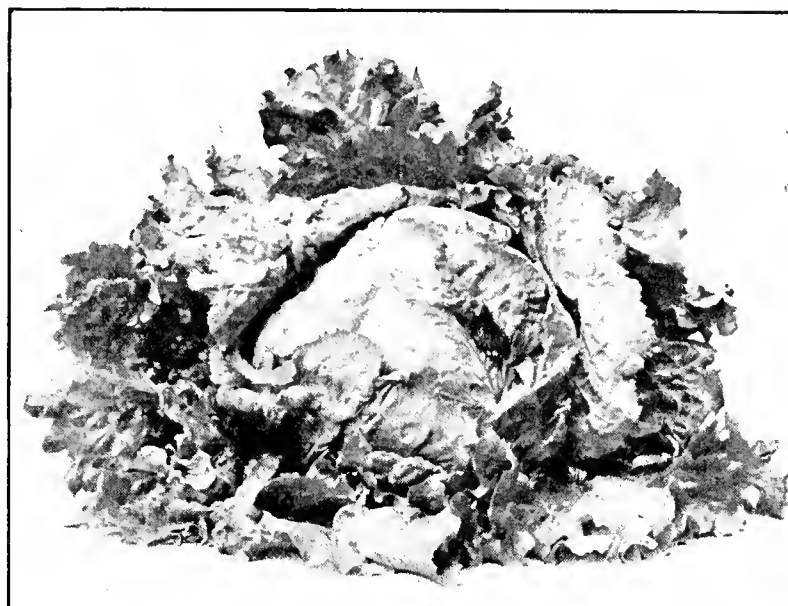
**Big Boston.** Desirable for forcing and Spring and Fall outdoor planting. Always makes large, buttery heads with thoroughly blanched hearts. The heads are extra large, firm and solid, brittle buttery; the hearts are crisp and beautifully blanched. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Unrivalled.** A valuable variety. Early in maturing, a little earlier than Big Boston which it resembles in appearance and size of head but does not turn red. Pale green color shading to creamy white at the center of the head which is formed of closely wrapped, crisp leaves. Succeeds at all seasons. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

**Romaine White Paris Cos.** Has long, narrow, upright leaves; does not head, but when tied up blanches very nicely. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Romaine, or Dark Green Cos.** Like above, but for its color. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Grand Rapids.** Excellent for forcing, fine quality, large, loose, yellowish green head; stands well. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.



NO. 12 LETTUCE NEW YORK, WONDERFUL, OR ICEBERG

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M.-S. BELVEDERE LETTUCE

LETTUCE PLANTS—Popular Varieties—See page 21



ROMAINE WHITE COS LETTUCE

**California Cream Butter.** A good Summer sort, of reliable heading quality. Yellowish-green, slightly marked with brown specks. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**M.-S. BELVEDERE LETTUCE.** In 1912 we introduced this grand Lettuce after having it in our trial grounds for two seasons, and we were amply repaid by the success which our truck farmer customers had with it. The M.-S. Belvedere is extremely slow in running to seed; it is therefore the ideal Lettuce to plant in the Spring, as it withstands the Summer heat better than any variety we have known so far. It is all green, no red edges, is tender and crisp, and has a fine yellow heart. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

**WHITE BOSTON SPECIAL.**

A new, very high class strain of the pale, green-leaved Big Boston type without the red tinged leaf edge. A surely dependable sort for growing in coldframes and for first field-planting in the early Spring. Lettuce from this strain is not quite as large framed, but it cuts nearly as heavy in number of crates as the regular Big Boston, and it sells quicker and at higher prices. Many fields gave a 90 per cent first cutting for early market at top prices. The heads show comparative freedom from tipburn. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

**Early Curled Simpson Lettuce (B. S.)** Fine, large, loose heads—early, finely fringed and curled. Very popular for family garden and forcing. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

## LEEK

1 ounce to 150 feet of row

**Culture**—Sow the seed and care for the young plants same as for Onions, but they need a little more room to develop fully. When the young plants are about the size of a goose quill, transplant into a prepared bed in rows 1 ft. apart and 4 to 5 in. in the rows. Set the roots deep and draw the earth to them when cultivating, so that they may be well blanched by the time they are fit for use.

**Giant Carentan.** Produces a large, thick stem and of mild flavor. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**American, or Flag.** One of the hardiest and best for Winter use. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

Gentlemen:

I planted your White Boston Special Lettuce, and there was not an off head in the field. Yours truly,

WM. LINKX,  
Halethorpe, Md.

Dear Sirs:

Your No. 12 New York and White Boston Special Lettuce have done very well for us.

KESSLER BROS.  
Lansdowne, Md.

## MUSHROOM SPAWN

### PURE CULTURE, SPORE PROCESS

The best procurable; making cream colored Mushrooms. Brick 25c., postpaid 32c.; 5 bricks \$1.00, postpaid \$1.15; 25 bricks \$4.50, postpaid \$4.85; 50 bricks \$8.50, postpaid \$9.10; full case, 100 bricks \$16.00. Express or freight.

#### CULTIVATION OF THE MUSHROOM

Giving full instruction how to grow this delectable vegetable.  
Price \$1.00, postpaid

## MUSHROOM OR HOTBED THERMOMETERS

Wood frame, heavy brass point. Parcel post weight, 2 lbs. \$3.00.

## OKRA, OR GUMBO

4 ounces to 40 feet of drill

**Culture**—Sow the seed thickly in rich ground about the middle of May, or when the ground has become warm, in drills 3 ft. apart, 1 in. deep; thin to 10 in. apart in drills. Grown for its green pods, which are used in soups, stews, etc., to which they impart a rich flavor, and are considered nutritious.

**White Velvet, or Lady Finger.** Bears round, white, smooth pods, unlike other varieties, which are ridged or square edge. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 60c.

**Improved Dwarf Green Prolific.** Of dwarf growth but immensely productive and very early. Short, thick, green pods. Home grown seeds of superior quality. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 60c.

**Perkins' Mammoth Podded.** The pods are of an intense green color, of unusual length, 8 or 9 in. Very superior for canning. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 60c.

### WE PAY POSTAGE ON SEEDS ONLY ON THIS PAGE

## ONIONS

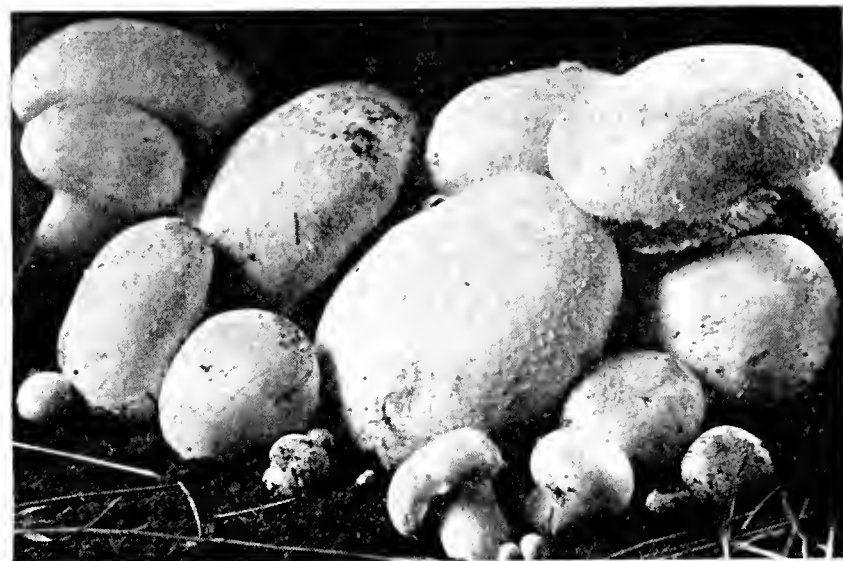
**Culture**—For sets, sow the seeds early as possible in the Spring, very thickly in drills. As soon as the tops dry off in the Summer remove them to a dry, airy place, and early in the following Spring replant by placing the sets in shallow drills 12 in. apart and about 4 in. apart in the drills; the Onions of this process obtained are of large size early in the season, also will be grown to full size during the first season by sowing thinly in drills 1 ft. apart and about  $\frac{1}{4}$  in. deep in March or in early April, in strong land, well manured, and thinning them out to stand 3 or 4 in. apart in the drills.

**Prizetaker.** This is the large, pale yellow Onion that is offered for sale in fruit stores and markets in the Fall. It grows to a very large size; flesh white, of mild and delicate flavor. The large Onions are raised the first year from seed, and with ordinary culture produce enormous crops. The Onions sometimes go over 3 lbs. each in weight where good soil and culture is given them. Our seed is pure and genuine. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

**Large Red Wethersfield.** Grows to full size the first season from seed; almost round, large size, deep red color, and keeps well. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

**Australian Brown.** A brown skinned Onion which grows to a good size the first season. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

**White Silverskin.** Ripens early; of large size, mild in flavor and excellent for Winter use; much esteemed for pickling when small. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.



MUSHROOMS

## MUSTARD

1 ounce will sow  
100 feet of drill

**Culture**—A small, pungent salad, used like Cress; the white seed is also used for flavoring pickles, Pepper sauce, etc. For salads sow thickly in shallow drills 6 in. apart. Plants go to seed quickly, short rows should be sown frequently, rather than long ones at one time. Sowings can be made every week or two. To grow white seed, sow in April, in rows 1 ft. apart, and thin out to 3 in. apart when 2 in. high.

**Southern Giant Curled.** Large, light green leaves, frilled at edge. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**White English.** Used mostly for the white seeds. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

### AMERICAN GROWN SEED

1 ounce for 100 feet of drill, 6 pounds for one acre

**Southport White Globe.** The earliest of the Southport Globes, perfecting a very handsome product within 90 days from sowing seeds. The bulbs are pure white and of a very mild flavor, also equally as good for keeping as the Yellow Globe. The flesh is remarkably firm and solid. It is an enormous yielder and as it is very attractive, always sells at high prices. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.25.

**White Bermuda.** They are of a mild and delicate flavor, and keep longer than any foreign variety. They will produce full grown Onions from seed the same season. Pkt. 10c., oz. 50c.

**Yellow Globe Danvers.** One of the most extensively used yellow Onions. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

**CHIVES (Schnittlauch).** Very mild onion flavor, used with cottage cheese and on egg omelets. Pkt. 10c., oz. 75c.

## ONION SETS

1 qt. will plant row about 50 ft., 10 to 15 bushels to 1 acre

Used for an early crop of Onions, and should be planted just as soon as the ground can be worked. Press the bulb lightly in the ground and do not cover; in rows 12 in. apart, 2 in. apart in the row; so that all the development goes in the Onion; on signs of their going to seed, bend the top over, but do not break it off. They can be harvested in this locality for Winter storage as early as July 10th. The advantage in planting sets lies in the fact that the young Onion is ready in 5 weeks from time of planting, while those grown from seed cannot be used until well in the Autumn. Shipped on local orders about March 1st, unless otherwise requested.

**For Parcel Post, add to all pts. 8c., qts. 10c.,  $\frac{1}{2}$  peck 13c., peck 18c., bus. 44c.**

**Yellow Danvers.** Qt. 20c.,  $\frac{1}{2}$  peck 60c., peck \$1.10, bus. of 32 lbs. \$3.75.

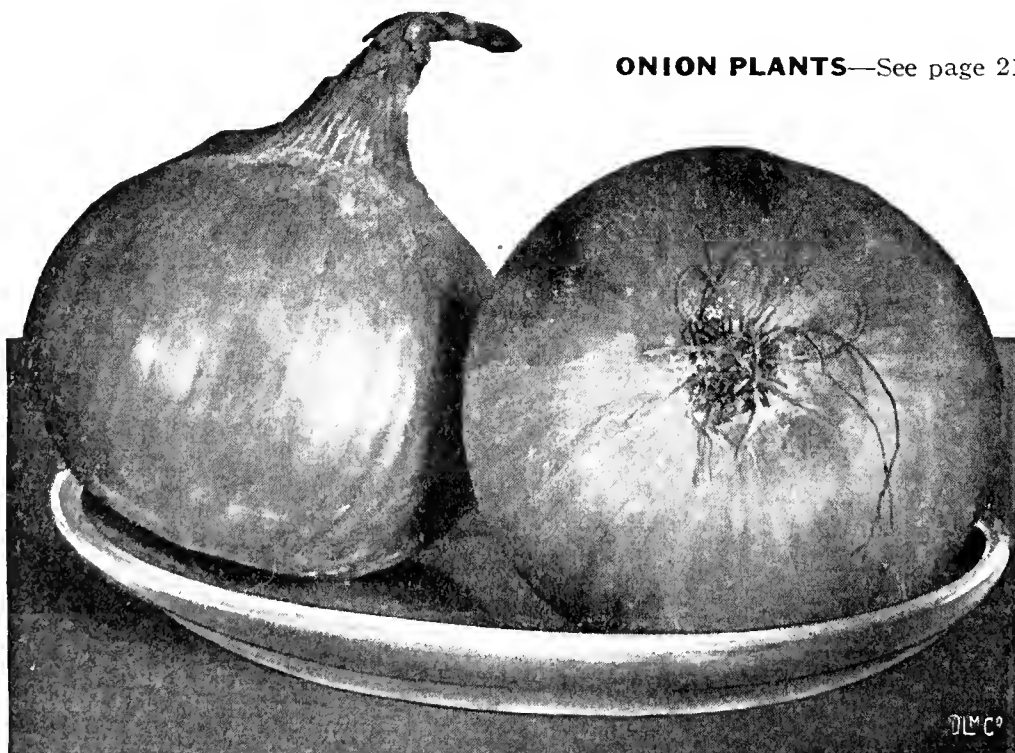
**Japanese, or Ebenezer Onion Sets.** This variety is globe shaped, about the color of a yellow Danver, is very solid and has a mild flavor. It will keep longer than any other variety. Qt. 20c.,  $\frac{1}{2}$  peck 60c., peck \$1.10, bus. of 32 lbs. \$3.75.

**Large Red Wethersfield.** Qt. 20c.,  $\frac{1}{2}$  peck 60c., peck \$1.10, bus. of 32 lbs. \$3.75.

**White Silver Skin.** Qt. 20c.,  $\frac{1}{2}$  peck 65c., peck \$1.15, bus. of 32 lbs. \$4.00.

**Multiplier Onion Sets,** yellow and white; and **Egyptian Top Onion,** brown—furnished in September and October. Market price.

Prices on Onion Sets subject to change  
Prices on larger quantities furnished on request



ONION PLANTS—See page 21.

PRIZETAKER ONIONS



# MUSKMELONS, OR CANTALOUPE

1 ounce will plant about 50 hills, 2 to 3 pounds in hills to 1 acre

**Culture**—Melons do best in a light or sandy soil, but with a little labor in preparing hills they can be grown in almost any warm, sunny location. Make hills 5 ft. apart each way, putting two or three shovelfuls of well rotted manure in each hill; pack it down tight, cover it with 3 in. of fine, loose soil, making hills 1 ft. in diameter. When the weather is quite warm, scatter 10 to 15 seeds thinly over the surface of the freshly made hills and cover with  $\frac{1}{2}$  in. of fine soil. When the young plants are well established, thin out to the best three plants. For early use sow in hotbed, on piece of sod or in pots.

## GREEN FLESHED VARIETIES

**LONG JOHN.** This is a product of Anne Arundel County which is famous for its fine Cantaloupes. It averages 8 to 10 in. some specimens growing a foot long, deeply netted and ribbed, green fleshed, thickly meated and deliciously flavored. Main crop variety. Seed scarce. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Bottomly Cantaloupe.** True Anne Arundel strain. Great favorite with the Anne Arundel County truckers and private gardeners. Medium size, oblong, deeply netted, green flesh and delicious flavor. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 45c., lb. \$1.50.

**Rocky Ford.** We have a very fine stock of this popular Cantaloupe. Small, oval, of excellent quality and a good shipper; early; green fleshed. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**Acme, or Baltimore Nutmeg.** A great favorite for retail market and for shipping. Large, oval, deeply netted, solid and of fine quality; green fleshed. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**Jenny Lind.** Very early, small, round, netted and of fine quality; green fleshed. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**Knight Cantaloupe.** True Anne Arundel County grown strain. The great favorite of the Baltimore market, of good size, deeply netted, green flesh, and delicious flavor. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 45c., lb. \$1.50.

**Montreal Market.** The large fruits are nearly round in form, slightly flattened at ends, with very large, broad, heavy ribs. Dark green skin, thickly covered with heavy netting. The flesh is 2 in. thick, light green, melting and of delicious flavor. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**New Honey Dew.** Produces a melon with smooth, almost white rind, measuring about 6 in. in diameter by 7 to 8 in. long. The green flesh is thick and is of a peculiar sweet flavor, resembling a well ripened Banana. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

## PINK FLESHED VARIETIES

**Hearts of Gold.** Here is a fair sized melon, larger than Rocky Ford, with distinct ribs and quite heavily netted. The rich, golden flesh has a most excellent flavor and is very deep, having only a small seed cavity. It is recommended for home or market gardens, while as a shipper its popularity is increasing for the high quality is retained perfectly after traveling long distances. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**No. 36. HALE'S BEST CANTALOUPE.** Very early. Oval in shape, with heavy netting and ribs hardly apparent. The flesh is exceptionally thick and firm, of fine, sweet flavor. A deep salmon color. Has a very small seed cavity. It is at least 10 days earlier in maturing than other types of Rocky Ford. It is ready for market in about 70 days. A very prolific Melon and very valuable for the commercial and also the home garden. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

# WATERMELON

1 ounce for 30 hills, 4 to 5 pounds for an acre

**Culture**—Watermelons should be planted in hills 8 to 10 ft. apart. Otherwise for culture, see directions for Cantaloupes. Do not grow them near Pumpkins or Gourds.

**McIver's Wonderful Sugar.** Resembles Old Rattlesnake, superior in quality. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Florida Favorite.** Large, long, striped, excellent for family garden. Rind thin, but firm; flesh very deep red and very sweet. Splendid shipper. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Gray Monarch, or Long White Icing.** Very large, long, crimson flesh. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

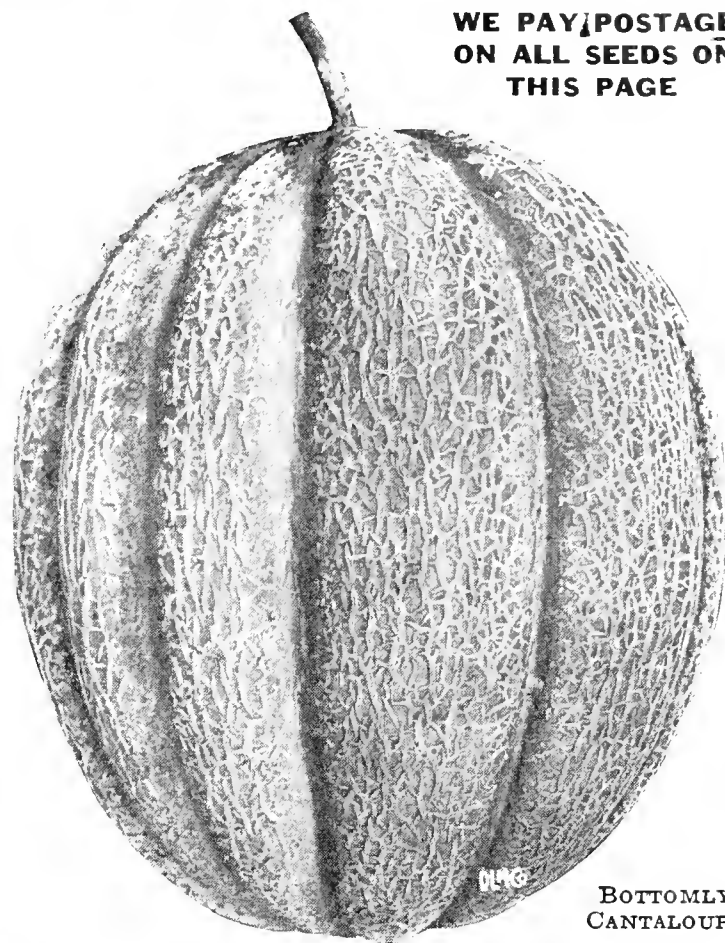
**IRISH GREY.** The rind is exceptionally hard and firm. The flesh is bright red, sweet, firm but free from any hard centers or stringiness. A desirable variety for those who prefer a long, light colored shipping Melon. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**General Pershing.** Also a good shipping Melon similar to above. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Stone Mountain (90 days).** The largest of the round or nearly round Melons, for on good Melon ground they weigh 50 lbs. or better. The outside color is dark green; the flesh is deep red, firm and solid, almost all heart with no white hearts or stringiness. In delicious sweetness it is the equal of Kleckley Sweet. It is especially recommended for the home garden and nearby markets. Pkt. 10c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**M.-S. SWEETHEART WATERMELON.** Give this one a trial for a real treat. Either for market or home. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

WE PAY POSTAGE  
ON ALL SEEDS ON  
THIS PAGE



BOTTOMLY  
CANTALOUPE

**Emerald Gem.** Small, green skin, and delicious yellow flesh. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Miller's Cream, or Osage.** Melons are large and round, with light green, netted skin, and thick, sweet, salmon colored flesh. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Banana.** This Melon surpasses all others in its delicious fragrance. The flesh (the melon being nearly solid) is of a rich salmon. The quality is first rate *when the Melon is thoroughly ripe*. It grows from 20 to 28 in. in length and is very prolific. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**HONEY DEW.** Pink-fleshed, same as the green one, with the exception that the flesh is of a beautiful pink tint and highly flavored. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**SALMON-TINT NO. 10-25.** This is an early Melon of the solid netted type that is so desirable. Very small seed cavity, with thick, luscious flesh of genuine salmon tint shading to green near the rind. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**M.-S. GOLDEN WONDER CANTALOUPE.** Most delicious flavored golden yellow meat, which is thick and solid. Medium size, oval in shape, very vigorous and productive vines, which are great drought and blight resisters. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**GOLDEN HEART WATERMELON.** A decided novelty in Watermelons, producing Melons which have delicious yellow meat almost to the rind. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

**Improved Georgia Rattlesnake.** A long, fairly large Melon. The rind is thin and tough, the flesh deep scarlet, the flavor unsurpassed by any other sort. We strongly recommend it both for shipping and home use. Our improved stock is very much superior to the ordinary Georgia Rattlesnake. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

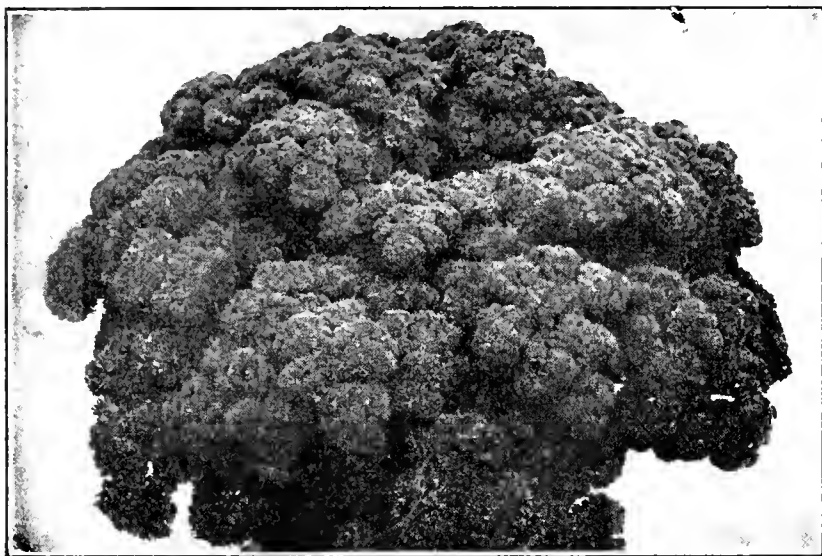
**Tom Watson.** A large, long Melon with dark green rind and light crimson flesh of excellent quality. It is a splendid shipper and is being grown extensively in the South for Northern markets. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Excel.** This is the largest shipping Melon yet produced, of good flavor, strong, tough rind, and solid, firm, crisp flesh that will keep well. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Kleckley Sweets.** A sweet one, to be sure, with a luscious tenderness all its own. It is not a shipping variety, as the rind is too close to the ripe, fluffy, rich red meat, when in condition to use. The Melons average about 20 in. long and ripen quite early. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**CITRON.** Grows uniformly round and smooth, striped and marbled with light green. Flesh white and solid; seeds red. It should be borne in mind that this variety is not used for eating in the raw state, but for preserves, pickles, etc. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 90c.

**WATERMELON SEED.** For medicinal purposes. Lb. 30c.



M.-S. GREEN CURLED BEAUTY PARSLEY

## PEPPER

1 ounce will produce 1,000 plants

*Culture*—Sow in hotbeds in March or April, or on a warm, sheltered border in May; when the season is favorable transplant in rows 2 ft. apart and 18 in. in row, in good, rich ground.

**PEPPER PLANTS**—Listed on page 21.

**CALIFORNIA WONDER PEPPER.** Introduced in 1925. This Pepper while similar both in size and shape to the Chinese Giant, is a much heavier and thicker meated Pepper, the meat being about 3 times as thick as the Chinese Giant. The flavor is sweet, excellent, and the keeping quality could not be better. It will outkeep a Chinese Giant Pepper by many days. A medium size Pepper will average  $\frac{1}{2}$  lb. or better in weight when ready for marketing. It is an excellent shipper, uniform in shape and size. Pkt. 10c., oz. 40c., 2 ozs. 75c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.00.

**Chinese Giant.** This is a real monster Pepper, perfectly sweet, the fruit is green, turning to bright scarlet; matures very late; a very shy seeder. Fine for stuffed mangoes. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.35, lb. \$5.00.

**M.-S. Everbearing Sweet Pepper.** Early, large, productive and of finest quality. The flesh is so thick and the meat so tender, that it can be fried like meat; it is so sweet that it may be eaten like an Apple. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.35, lb. \$5.00.

**Perfection Pimento Pepper.** Very fleshy and sweet. Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.

**Ruby King.** Good for Mangoes or pickling, very sweet. Large, quite productive. Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.75.

**Neapolitan.** Grows a long shape and somewhat narrow; stands upright on the bushes. Sweet, bright red, and very early. Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.50.

**Golden Dawn.** A large yellow variety, very sweet. Pkt. 10c.,  $\frac{1}{2}$  oz. 35c., oz. 60c.

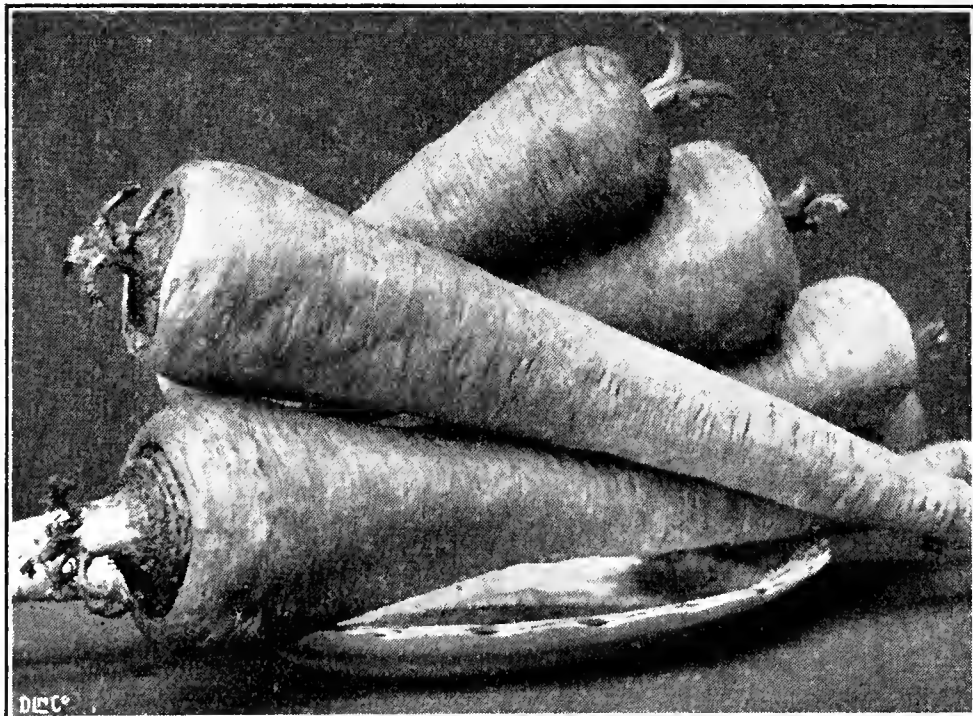
### HOT VARIETIES

**Large Bell, or Bull Nose.** Large, early variety; hot flavor, thick and fleshy. Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.25.

**Long Red Cayenne.** Long, slim, and very pungent. Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

**Small Chili.** Small, conical pods. Very hot. Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.

**Red Cherry.** A small, round Pepper, very hot. Pkt. 10c.,  $\frac{1}{2}$  oz. 40c., oz. 75c.



IMPROVED HOLLOW CROWN PARSNIP

## PARSLEY

1 ounce to 150 feet of drill

*Culture*—Parsley requires rich, mellow soil. The seed is even slower than Parsnip in germinating, and should be sown as early as possible in the Spring, in drills 1 ft. apart, and when the plants are well up, thin to 1 ft. in the row. When the plants are about 3 in. high, cut off the leaves, the plant will start a new growth.

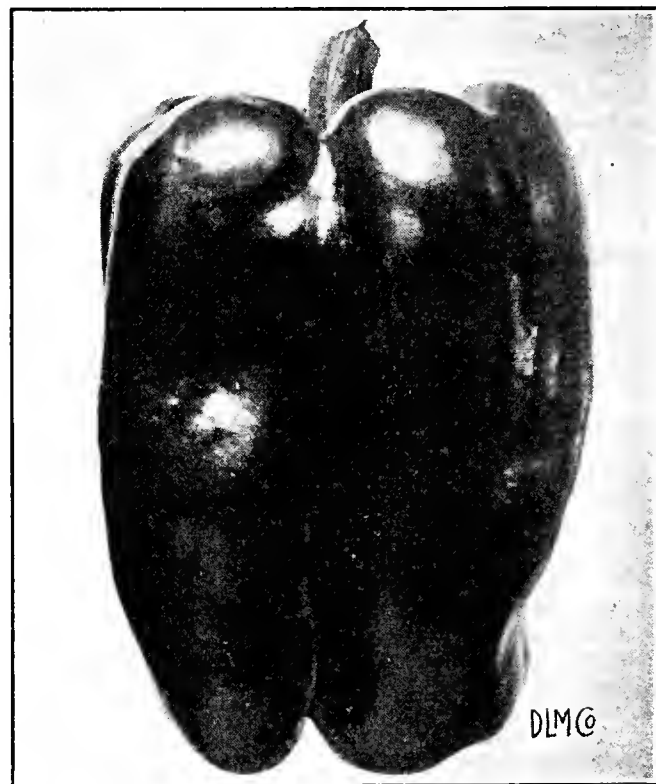
**M.-S. GREEN CURLED BEAUTY PARSLEY.** Very handsome, dark green, beautifully curled. Dwarf habit, hardy and productive; very slow going to seed; it can be cut the year round. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 35c., lb. \$1.00.

**Champion Moss Curled.** A distinct variety of unequalled merit, beautifully crimped and curled. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 35c., lb. 75c.

**Green Mountain Parsley.** Beautifully crimped and curled; perfectly hardy and vigorous grower. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 35c., lb. 75c.

**TURNIP-ROOTED, or HAMBURG.** The fleshy root is used for flavoring soups, stews, etc. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 35c., lb. 75c.

WE DO APPRECIATE HEARING FROM  
PLEASED CUSTOMERS



CALIFORNIA WONDER PEPPER

## PARSNIP

1 ounce for 200 feet of drill, 5 to 6 pounds for an acre

*Culture*—Sow as early in the Spring as the weather will permit, in drills 16 in. apart and  $\frac{1}{2}$  in. deep, in a rich, deep soil; thin out to 6 in. apart in the rows. The quality of the roots is improved by leaving them in the ground over Winter for Spring use.

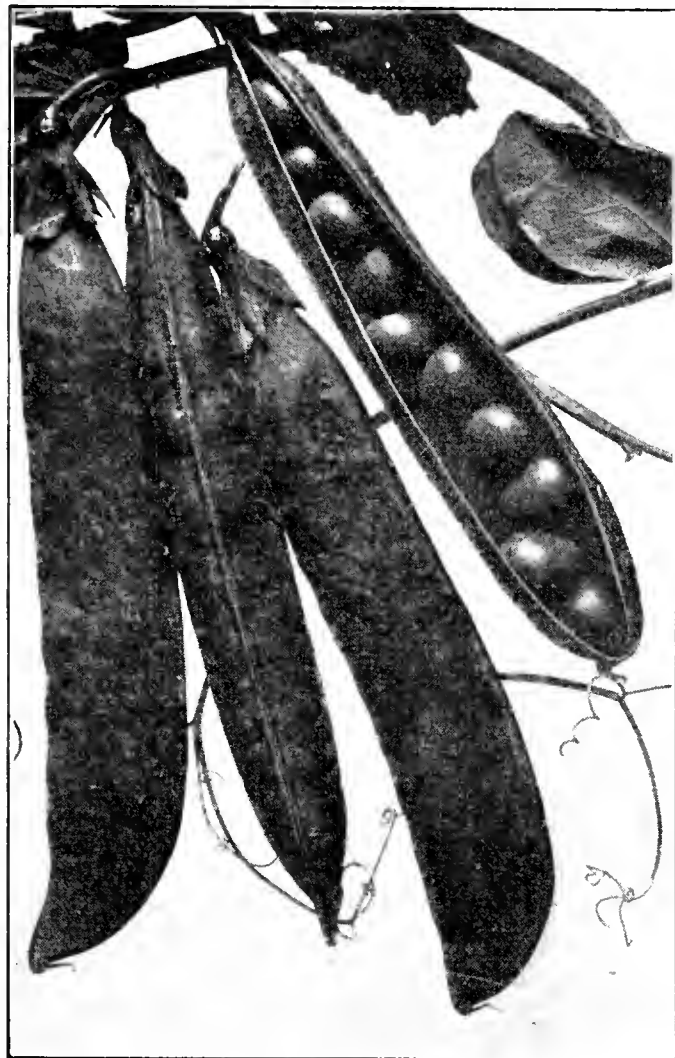
**Improved Hollow Crown.** The best variety. A great cropper, roots long, very smooth, white, tender, sugary and of excellent flavor. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

## M.-S. IMPROVED JUMBO PEANUTS

*Culture*—Plant in May or early June, in rows about 2 $\frac{1}{2}$  to 3 ft. apart, dropping the nuts 8 to 10 in. apart, one in a hill. Cover 1 or 2 in. deep. Cultivate 3 or 4 times with a cultivator, so as to loosen the earth and keep down weeds, and at the last working, with a shallow turn-plow throw the dirt to the nuts.  $\frac{1}{4}$  lb. 15c.,  $\frac{1}{2}$  lb. 20c., lb. 35c. *Special price on large quantity.*

WE PAY POSTAGE ON ALL SEEDS ON THIS PAGE





GRADUS OF PROSPERITY

**EXTRA EARLY WRINKLED VARIETIES**

(Weight, 56 pounds per bushel)

**M.-S. WORLD'S RECORD.** Medium vines of dark green color and heavy foliage, bearing large, handsome, well filled pods measuring sometimes 4 in. and longer, filled with from 8 to 12 tender, luscious peas. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.40, peck \$2.50, bus. \$9.00. See back cover page.

**Laxtonian.** A dwarf Pea with large, handsome pods. It is slightly earlier than Gradus, maturing about the same time as Thomas Laxton. Vines medium dark and medium heavy of foliage. Pods  $3\frac{1}{2}$  to 4 in. long, slightly curved. Will bear more abundantly at top of vines, making it easy to pick, very heavy yielder. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.40, peck \$2.50, bus. \$9.00.

**Thomas Laxton.** An exceptionally fine variety, growing 3 ft. in height and yielding large podded peas, 4 to 5 in. in length, of the finest flavor; very early. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.40, peck \$2.50, bus. \$9.00.

**Gradus, or Prosperity.** One of the most popular wrinkled sorts. Even though it matures a short time later than the extra earlys, the pods, fully as long as those of the well known Telephone, contain very large peas that are unexcelled for sweetness. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.40, peck \$2.50, bus. \$9.00.

**MEDIUM EARLY WRINKLED VARIETIES**

(Weight, 56 pounds per bushel)

**M.-S. LITTLE MARVEL PEA.** An extremely valuable variety, especially suited to small home gardens, and also a splendid variety for early market gardening. It matures very early and produces large crops. The vines grow about 15 to 18 in. in height. The pods are dark green, fair sized, produced in pairs, and are closely filled with 7 to 8 peas of extra fine flavor. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.40, peck \$2.50, bus. \$9.00.

**Nott's Excelsior.** Resembling Little Marvel in habit and growth. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.40, peck \$2.50, bus. \$9.00.

**Daisy, or Dwarf Telephone.** The striking features of the Daisy Pea are its large pods and the way in which they are heaped up in ridges on the short, strong vines. The pods are well filled with large peas of most excellent quality. The vines are 16 to 18 in. high, and, being strong and thrifty, require no support, making it an ideal variety for use where brush or stakes are not available. This Pea is desirable on account of the fine appearance of the pods. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.40, peck \$2.50, bus. \$9.00.

**MEDIUM AND LATE VARIETIES**

(Weight, 56 pounds per bushel, except in Sugar Marrow)

**Telephone.** For general planting this tall growing variety is undoubtedly the most popular among market gardeners. The pods, 4 to  $4\frac{1}{2}$  in. long, are light green in color and filled with large, sweet, tender peas. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.40, peck \$2.50, bus. \$9.00.

**Champion of England.** A standard Pea, vines grow  $4\frac{1}{2}$  ft. high and bear medium sized pods of peas of good quality. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.40, peck \$2.50, bus. \$9.00.

**Dwarf Melting Sugar.** The pods as well as the peas of this variety are edible and both very sweet. Pkt. 10c.,  $\frac{1}{2}$  pt. 20c., pt. 35c., qt. 60c.

**PEAS M.-S. SUPERIOR HAND PICKED**

Prices on larger quantities on application. Prices on all Peas are subject to market changes.

Sow 1 quart of seed to 200 feet of row and  $\frac{1}{2}$  to 2 bushels to the acre in drills

**Culture**—Peas succeed best in light, dry, loamy soil. Early and dwarf sorts require richer soil than the late varieties. If manure is used, let it be old and well rotted, or there will be a rank growth of vines with few pods. Sow the early, smooth, round sorts as early in the Spring as the ground can be worked. Seeds of wrinkled varieties are more liable to rot if the ground is cold, and must be planted later. Sow in single rows, dwarf sorts 3 ft. apart and tall sorts 4 ft. apart, or in double drills, 6 to 8 in. apart, 1 in. apart in the drill, and not less than 4 in. deep, for late sorts 5 to 6 in. deep. Deep planting prevents mildew. **If to be sent by Parcel Post, add to pt. 8c., qt. 10c.,  $\frac{1}{2}$  peck 16c., peck 25c., bus. 75c.**

**EXTRA EARLY VARIETIES**

(Weight, 60 pounds per bushel)

**Early Bird.** As early as Alaska and First and Best. As large as Thomas Laxton or Gradus. Dwarf, vigorous vines about 2 ft. high, covered with immense, well filled pods. Perfectly hardy. Can be planted as early as any variety. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.15, peck \$2.00, bus. \$7.50.

**Mammoth Podded Extra Early.** On the order of First and Best, but pods one-fourth larger. Matures practically with First and Best and Alaska, and is much more productive. Vine and foliage robust, heavy and deep green. Height 3 ft. Pods dark green, 4 in. long, round, broad, saddle backed and square ended, containing 7 extra large, light green peas. A very productive and extra fine sort, bound to take first place as a leading market gardener's first early Pea. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.15, peck \$2.00, bus. \$7.50.

**Pilot.** A few days earlier than Gradus, with a larger pod. Height 3 ft. As the seed is almost smooth, it can be sown with the Extra Earlys. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.15, peck \$2.00, bus. \$7.50.

**Long Podded Alaska.** This variety grows about 3 ft. high and are heavy bearers. The pods, 3 in. long, mature shortly after Alaska and are well filled with sweet, tender peas. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.15, peck \$2.00, bus. \$7.50.

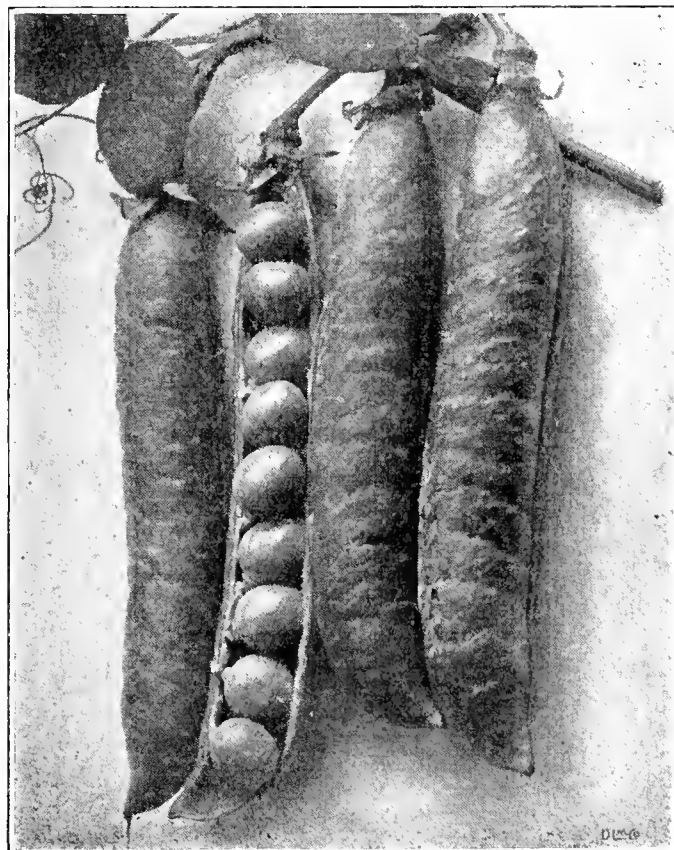
**Extra Early Alaska.** Popular among market gardeners for an early crop. The pods are medium size, dark green in color and ripen almost at one time. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.15, peck \$2.00, bus. \$7.50.

**Pedigree First and Best.** An excellent strain of first early Peas; very popular and largely planted throughout trucking sections. Height 2 to  $2\frac{1}{2}$  ft. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.15, peck \$2.00, bus. \$7.50.

**Prolific Early Market.** This is one of the largest podded and most productive of all smooth seeded extra early Peas. Vines grow about 30 in. in height and can all be gathered in two pickings. The pods are remarkably well filled, and the peas, sweet and fine flavored. A most satisfactory prolific early sort, both for the market gardener and the home gardener. Pkt. 10c., pt. 25c., qt. 40c.,  $\frac{1}{2}$  peck \$1.15, peck \$2.00, bus. \$7.50.

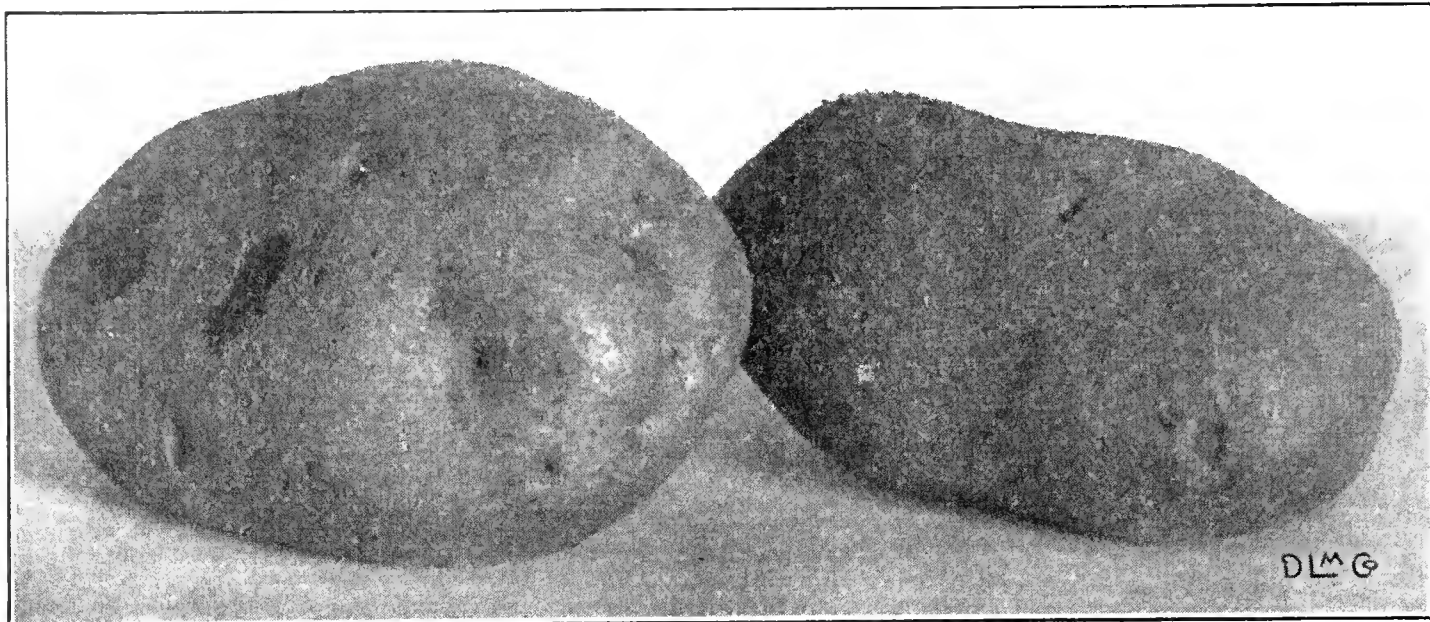
FOR the convenience of our customers, we suggest the varieties listed below, for successive planting and maturity. These peas succeed each other in their numerical order as listed.

- No. 1—**EARLY BIRD.**
- No. 2—**M.-S. WORLD'S RECORD.**
- No. 3—**M.-S. LITTLE MARVEL.**
- No. 4—**DAISY or DWARF TELEPHONE.**
- No. 5—**TELEPHONE.**



EARLY BIRD PEAS





M.-S. FILL BASKET POTATO

## POTATOES

Subject to market fluctuations—Prices on large quantities furnished on application

Present price of all kinds.

Selected Stock, peck 65c., bus. \$2.00, sack of 150 lbs. \$4.50

Certified Stock, \$5.00

If wanted by Parcel Post, 1st and 2nd zones, add to peck 25c., to bus. 75c.

*Culture*—Planting may commence as early in the Spring as the ground can be worked. Place one piece every 12 in. in rows 2½ ft. apart, covering about 4 in. When cutting the seed allow two eyes to each piece.

8 to 10 bushels will plant 1 acre

**Red Bliss.** Very early, thin, red skin, round, white flesh.

**Irish Cobbler.** This is an early Potato of exceptional merit, which has given our trade entire satisfaction. The shape is round. Flesh is white and the eyes strong and deeply set.

**Houlton Early Rose.** The Houlton strain of the old favorite Early Rose has been the most popular on our market in recent years.

**M.-S. FILL BASKET.** On account of the large yields that have been reported on this Potato, our sales on it have increased wonderfully. It is of handsome shape and most desirable for the best trade. It is a vigorous grower, ripens uniformly, is a good keeper, medium late. The vines are always very heavy, the seed being especially vigorous and tubers always good size, where soil is well tilled. Very smooth and a good cooker.

**Improved Green Mountain, Prosperity and Dakota Reds**—all three, late sorts. Prices furnished on application.

**Choice Seed Sweet Potatoes**—Leading varieties. Prices on application.

**Sweet Potato Plants**—See page 21.

## PUMPKIN

We pay postage on pkts., ozs., ¼ lbs. and 1 lbs.

1 ounce for 15 hills, 3 to 4 pounds plant an acre

*Culture*—Sow in the month of May. Make hills the same as you do for Squashes, but do not make the hills too close.

**M.-S. YANKEE PIE PUMPKIN.** The best pie Pumpkin that grows. Strong vines bearing an abundance of good keeping, large, handsome, Pear-shaped, golden yellow Pumpkin, which are so sweet that they require very little sugar and ripen early. Pkt. 10c., oz. 15c., ¼ lb. 40c., lb. \$1.25.

**King of the Mammoths, or Pot Iron.** An immense variety, which always wins the prize offered for the largest and best Pumpkins; grown to weight over 200 lbs. Flesh of a rich, golden yellow; a splendid keeper. Pkt. 10c., oz. 15c., ¼ lb. 50c., lb. \$1.50.

**Cushaw, or Winter Crookneck.** An old standard variety which is very popular. It is also used for feeding stock. Long, yellow crookneck, fine grained yellow flesh, very solid. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 90c.

**Cushaw Striped.** Same as above, but it is green and white striped. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 90c.

**Japanese Pie.** Flesh very thick, rich salmon color, fine grain, dry and sweet. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 90c.

**Tennessee Sweet Potato.** Excellent for pies, Pear-shaped, medium size, flesh and skin creamy white, fine grained, sweet, a first rate keeper. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 90c.

**Winter Luxury Pumpkin.** A very good keeper and a splendid pie Pumpkin; shape round; skin finely netted, and beautiful russet yellow color; flesh thick and of fine flavor. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 90c.

**M.-S. Sugar Pie.** For making pies this variety cannot be excelled. The Pumpkins are small but very sweet, fine grained and of the best quality. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 90c.

**Common Yellow, or Connecticut Field.** Very productive; for feeding stock. Pkt. 10c., oz. 15c., ¼ lb. 20c., lb. 60c.



M.-S. SUGAR PUMPKIN

# RADISH—M.-S. SELECTED SEED

1 ounce for 50-foot drill, 10 pounds in drills to 1 acre

**Culture**—To be tender and crisp Radishes must be grown quickly, and this requires rich soil and plenty of moisture. Commencing with the first mild spell in the Spring, sow at intervals of 10 days. May also be shown as a catch crop between rows of Beets, Lettuce, Onions, etc. Radishes can be forced in hotbeds, but must have plenty of ventilation and moisture.

## EXTRA EARLY VARIETIES

### Scarlet Globe Early, M.-S. Strain.

Highly recommended for truckers. This variety can be used for forcing and is recommended for early outdoor planting. It is small, round, red and of excellent flavor; its rich, crisp, tender flesh makes it very popular. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c., 10 lbs. \$7.00, 25 lbs. \$15.00.

### M.-S. EARLY CARDINAL RADISH

These are the best little crisp red Radishes, which come so early in the season; they grow perfectly round, and are of the most brilliant fiery red color that we have ever seen in any Radish; are tender and crisp; will stand the heat and are fine for forcing. Most desirable for home garden and market gardeners' use. This Radish will never fail to attract the attention of the grower as well as the consumer. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 30c., lb. \$1.00.

**French Breakfast, Early.** Oblong shape, rapid grower, very mild and tender; of a beautiful scarlet color, tipped with white. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Early Long Scarlet Short Top.** Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Long White Vienna, or Lady Finger.** Has slender, pure white roots which are smooth and average about 6 to 7 in. in size when matured. They are quite early and of excellent quality. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Idcde.** Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

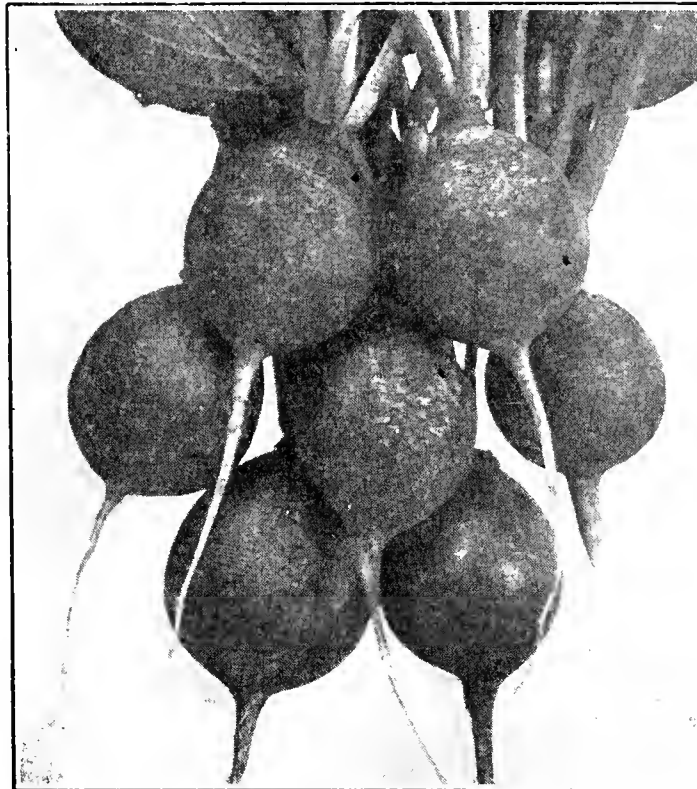
**White Strasburg.** Handsome, oblong, tapering, skin and flesh pure white; firm, brittle, tender and possessing the most desirable character of retaining its crispness even when the roots are old and large. Excellent for Summer use, as it withstands severe heat and grows very quickly. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**New Glass, or Cincinnati Market.** A long scarlet Radish with a distinctive white tip. A suitable Radish for deep, mellow soil. A fine Radish for the home garden as well as an attractive one for the market stall. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**White Turnip (Short Top).** Fine for forcing and open ground. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

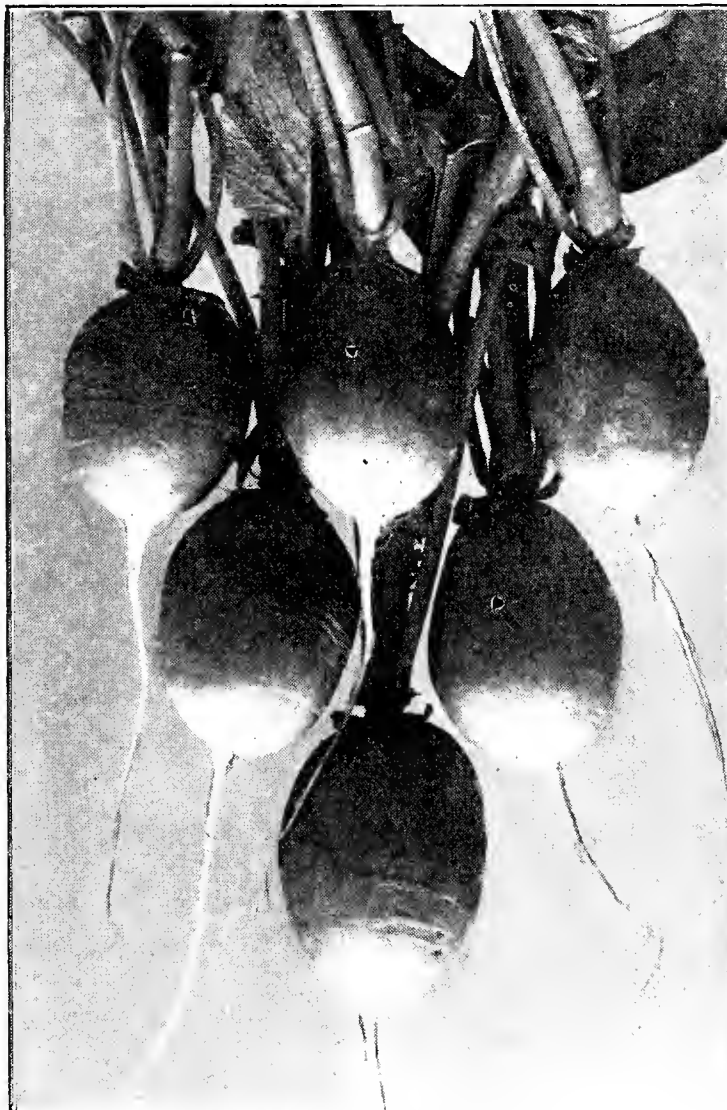
**White-tipped Scarlet Globe.** A good forcing variety. Small size and very attractive, being a handsome, bright scarlet, with white tip. Very early, good quality. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Ruby King, Extra Early.** Of brilliant red color, fine for forcing or open ground; roots are tender, juicy and mild. One of the best round, red Radishes. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.



M.-S. STRAIN SCARLET GLOBE RADISH

WE PAY POSTAGE ON PKTS., OZS.,  $\frac{1}{4}$  LBS., AND 1 LBS.



EARLY FRENCH BREAKFAST RADISH

**IMPROVED CHARTIER.** One of the most distinct varieties; scarlet at top, shaded to pink at center, and white at tip. They will keep crisp, tender, and retain a mild and pleasant flavor for a long time. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Crimson Giant.** Like M.-S. Early Cardinal Radish, but much larger. Very desirable. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Strawberry.** The exceptional merit of this Radish is proved by its popularity increasing every year with successful market gardeners. This Radish is a table dainty, crisp, tender and sweet; it is Turnip-shaped, bright scarlet color, and is a high class strain for outdoor planting. It combines beautiful appearance with finest Radish quality—appealing to the eye and palate. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

## SUMMER VARIETIES

**Large White Stuttgart.** Very large, top shaped, flesh and skin white, fine quality; firm and brittle, seldom pithy. Can be stored for Winter. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Large White Summer Turnip.** Round, smooth, and very white; crisp and tender. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Golden Globe.** A favorite Summer Radish. Golden brown skin, perfect globe shape, mild and brittle, slow to seed. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

## WINTER VARIETIES

**Long Black Spanish.** Large Radish, with black skin and white, firm flesh; grows 6 to 8 in. long. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 85c.

**Round Black Spanish.** Like the above, except that it is round shape. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 85c.

**Long White Spanish.** Like the Long Black Spanish, only different in color. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 85c.

**Round White Spanish.** Like the Round Black, but white. Like all the Spanish Radishes, which are fine keepers, mild flavor and brittle. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 85c.

**China Rose, or Scarlet China.** Bright rose colored, stump rooted, of excellent quality. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 85c.

**White Chinese, or New Celestial.** Large stump-rooted, white skin and flesh, mild in flavor, brittle and never woody. For late planting and a splendid keeper. Market gardeners will find this a good variety that sells readily. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 85c.

**Sakurajima (Mammoth Japan).** The largest sort in cultivation. Sow in rich soil. In Japan it grows as much as 21 in. long and 43 in. in circumference. Thin well to allow of proper development. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.

**HORSERADISH**—See page 22.



ALL SEEDS ON THIS PAGE POSTPAID

## RHUBARB

**Culture**—Sow seed in a coldframe, in a fine, rich sandy loam, about the first of March, in drills 4 in. apart. Keep the frames covered during nights and cold days, so that the soil will not freeze, and in 6 or 8 weeks the plants will be large enough to set in the open ground. Transplant to a rich soil, and set in rows 12 in. apart and 12 in. in the row. The following Spring transplant to a permanent location, setting 4 or 5 ft. apart each way. In good soil Rhubarb is ready to use the second year from seed.

If our 2-year-old roots are used, a crop may be had the same season, which is much better than sowing seed where only a few plants for family use are needed. In the Fall the bed should have a thick dressing of coarse manure to be spaded under in Spring.

**Myatt's Victoria.** The leading variety. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$1.50.

**ROOTS**—See page 21.

## SALSIFY, OR OYSTER PLANT



SANDWICH ISLAND SALSIFY

1 ounce to 70 feet of drill, about 8 pounds to the acre

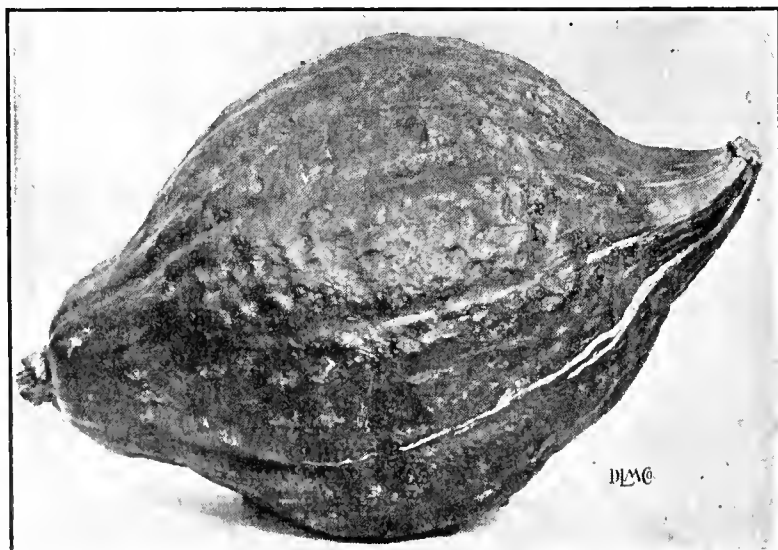
**Culture**—Sow as early as the ground can be worked in the Spring, in drills 12 in. apart, 1 in. deep and thin out to 6 in. in the row. Keep them free from weeds. Cultivate the same as for Carrots and Parsnips. A part of the crop may be left in the ground till Spring, when it will be found fresh and plump. The roots are cut into pieces  $\frac{1}{2}$  in. long, boiled until tender, and then served with drawn butter, in which way it is a delicious vegetable. They are also mashed and baked like Parsnips and have a sweet and agreeable flavor like that of the oyster.

**Mammoth Sandwich Island.** This is an improved type and the largest and most profitable Salsify now in cultivation. It is white in color and a satisfactory sort in every way; invaluable to market gardeners and truckers. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

## SORREL, OR SOUR GRASS

**Culture**—Sow in Spring in drills 18 in. apart, in a rich soil and keep the flower stems cut off as they appear. It remains in the ground year after year, and only needs to be taken up and divided once in 4 or 5 years. To be cut and cooked precisely like Spinach; or it is excellent cooked with it, one-third Sorrel to two-thirds Spinach. It is also used for soups. Very nice to be eaten after it has become cool. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable.

**Large French.** Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.



HUBBARD SQUASH



M.-S. PERFECTION BUSH SQUASH

## SQUASH

**Bush Sorts**—1 ounce for 50 hills, 5 to 6 pounds to acre. Running varieties 3 to 4 pounds in hills for an acre

**Culture**—Squashes should be planted in a warm, light, rich soil after the weather has become settled and warm, about the middle of May or June. Plant in well-manured hills, in the same manner as Cucumbers and Melons—the Bush varieties 3 to 4 ft. apart each way and the running kinds from 6 to 8 ft; 8 to 10 seeds should be sown in each hill, thinning out after they have attained their rough leaves and danger from bugs is over, leaving 3 to 4 of the strongest plants per hill.

**M.-S. PERFECTION BUSH.** This is the finest scalloped white Squash that grows, obtaining large size but stays tender as butter for a long time. The best for home gardens and market gardeners. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 35c., lb. \$1.00.

**Early Mammoth White Bush.** An excellent strain. Early, prolific, much larger than the old White Bush. Splendid for market, best for shippers. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**GREEN-TINTED BUSH.** Particularly desirable for market gardeners on account of its green tinted, well scalloped, uniform, small sized fruit. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Summer Crookneck, Bush Variety.** About 1 ft. long, with crooked neck, bright yellow, warty, shell hard when ripe. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 35c., lb. \$1.00.

**Hubbard.** An excellent keeper; splendid quality. Vines of strong, running growth. Large, olive-shaped fruits with dark green skin; very rich flesh. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Golden Hubbard.** Like the above, but of a beautiful orange red color, except for a bit of olive green on blossom end. Flesh deep orange, dry, fine grained and richly flavored. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Boston Marrow.** This is a large-fruited hard shell sort, highly esteemed for Winter use, having bright orange skin and deep orange flesh. Very fine, extensively used for Pumpkin pies. Fine, strong running growth. Very productive, oval shape. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 25c., lb. 75c.

**Blue Hubbard.** A new variety and a selection from the original Hubbard. Fruit gray blue color; grows large, remarkably good keeper and excellent quality. Running variety. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.75.

## VEGETABLE MARROW

**Cocozelle di Napolie.** Grows about 20 in. long with a diameter of 3 or 4 in. Skin smooth, dark green, marbled yellow or pale green. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.

**Cucuzzi Caravazzi.** Similar to the above, but the color is light green. Great favorite with the Italians. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.25.



CROOKNECK SQUASH



# TOMATOES—M.-S. SURE CROPPING

Tomato Seed sent postpaid

1 ounce for 1,500 plants,  $\frac{1}{4}$  pound (to transplant) an acre

**Culture**—This delicious vegetable is one of the most important of all garden products. The seed should be sown in a hotbed about the first week in March or latter part of February in drills 5 in. apart and  $\frac{1}{2}$  in. deep. When the plants are about 2 in. high they should be set into small pots, allowing a single plant to a pot. About the first of May the plants may be set out in the open ground in hills 3 ft. or 4 ft. apart each way (Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot, and placing it in a sunny window of the room or kitchen.) Cultivate thoroughly as long as the vines will permit, but the last two or three workings of the soil should be very shallow (surface cultivation) or the crop may be badly injured, especially if the cultivator is run too near the young plants.

**TOMATO PLANTS**—See page 21.

## EARLY VARIETIES

**M.-S. Early Wonder.** This is the 8th year that we are offering this wonderful extra early Tomato after several years of careful selection. The fruits are large for so early a variety, round or slightly flattened, deep scarlet red color, smooth, free from cracks and of fine quality. It produces ripe fruit as early as Earliana and continues to yield marketable fruit a longer period than the other first early varieties. The vines are vigorous and very productive. We consider this a valuable addition to the list of early Tomatoes for the market or home garden. Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50, lb. \$5.00.

**THE PRITCHARD TOMATO.** Has outstanding qualities: 1st—Earliness, maturing in 120 to 130 days. 2d—Productiveness—We have seen a  $\frac{5}{8}$  bushel basket filled from 3 $\frac{1}{2}$  plants. 3d—Smoothness. 4th—Color, intense scarlet, both exterior and interior. The shape is very similar to Marglobe; it is of great solidity, has no core and very small seed pockets. Pkt. 10c.,  $\frac{1}{2}$  oz. 25c., oz. 40c., 2 ozs. 75c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.00.

**BREAK O'DAY.** The latest introduction in red fruited early, globe-shaped Tomatoes. One of its parents is the well known Marglobe, which it resembles closely in color, shape, size, and solidity, but it is 10 to 12 days earlier and ripens along with Bonnie Best and other early varieties. The vines are open and not as heavy as Marglobe. Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50, lb. \$5.00.

**Chalk's Jewel.** A Tomato of fine quality. Second early, round, smooth red fruit of excellent flavor. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**Spark's Earliana.** Particularly desirable for shipping and for earliest market. The fruits are smooth, round, of red color, making desirable and salable fruits. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**Bonnie Best.** The finest of the second early Tomatoes. About a week later than the Earliana, but far superior in quality. Fine red color, fine quality, hardy and productive. Excellent flavor. A most profitable variety for early and main crop. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**John Baer.** Is a good, all around second early Tomato, the fruit being smooth, ripening clear to the stem and of a good rich red color. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c., lb. \$2.50.

**June Pink.** For gardeners who have a market for a nearly purplish pink fruit (which is produced in clusters), this is the variety to plant. True strain seed. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.50.

## MAIN CROP TOMATOES

**M.-S. Big Chief.** See back cover page.

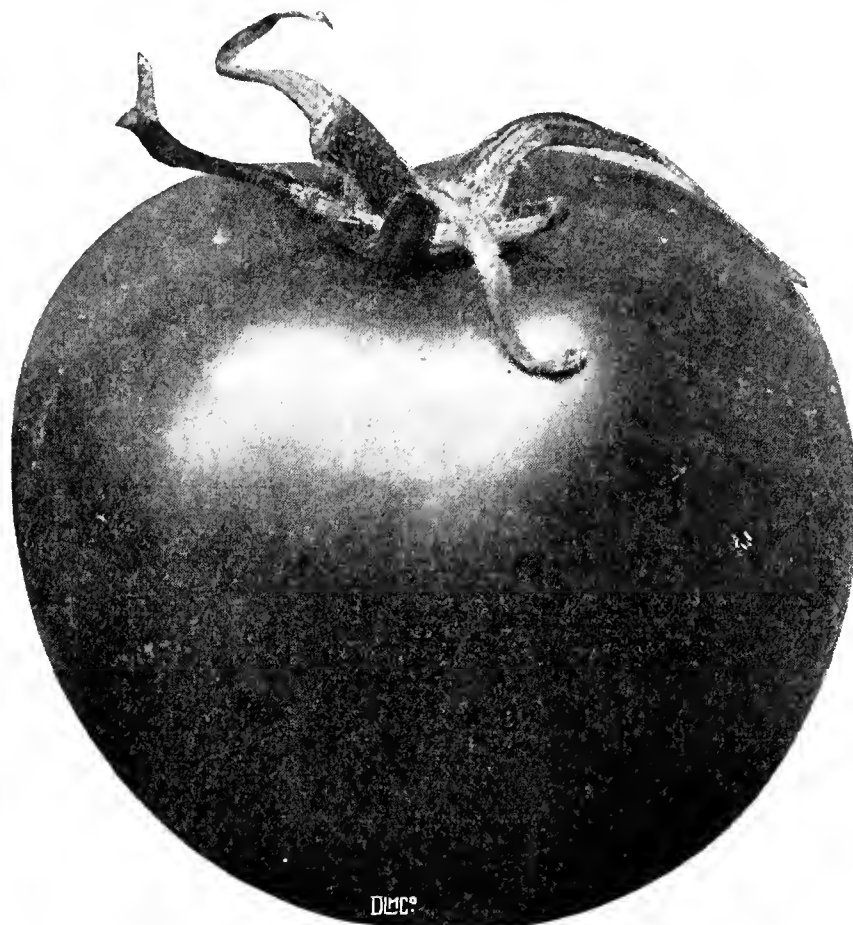
**M.-S. IMPROVED NEW STONE.** So well known that it needs no description. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00

**Wisdom.** This Tomato has become very popular. It is a great yielder of large, handsome red fruit, which ripens clean to the stem. It makes very strong vines and should be given plenty of room. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.50, lb. \$5.00.

**Kelly's Red.** This variety has obtained immense popularity in the last few years. It was originated in Anne Arundel County. Its solidity and carrying qualities are remarkable. Its color is a desirable red. Its shape perfectly smooth and thicker from stem to blossom than most varieties, making it very handsome and salable. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Greater Baltimore.** General crop Tomato of sterling merits—large, smooth, beautiful red skin fruits, which are produced in great abundance until frost kills the vine. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c., lb. \$2.00.

**Ponderosa.** A purple fruited Tomato of large size. Vine vigorous. Fruit very solid, fairly smooth and considered very good quality, especially by those who prefer a Tomato quite free from acid. This variety is more suitable for home use than for the market. Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.60, lb. \$6.00.



MARGLOBE TOMATO

**Marglobe.** No other Tomato ever introduced has been acclaimed as quickly as this remarkable variety which was originated with the Department of Agriculture in Washington. It is an all-purpose Tomato in every way, embodying all the good qualities looked for by the home gardener, the market grower, and the canner. It is particularly valuable for shipping and has proven to be decidedly disease-resistant, particularly against Fusarium Wilt and Nail-head Rust. The plants are vigorous and very productive, bearing a wonderful crop of uniformly globe-shaped, deep scarlet, large fruits. Young fruits have a tendency to be of a somewhat oval shape. The skin is smooth and evenly colored from stem to blossom end. The interior of the fruits is solid, meaty, and juicy. The flavor of the bright red flesh is delicious. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.00.

**Oxheart.** (New). A newer variety which positively is the largest Tomato ever introduced. The skin is purplish scarlet. It is smooth and evenly colored. The individual Tomatoes will weigh as much as 1 $\frac{1}{2}$  lbs. each. The oxheart shape of the fruits is most distinct. They are extremely solid and have few seed cells, which accounts for their enormous weight. If you want to beat your neighbors by growing the largest smooth Tomatoes, try Oxheart this year. It is a valuable variety which combines a rich, luscious sub-acid flavor with a size that is most unusual. Pkt. 15c.,  $\frac{1}{2}$  oz. 40c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.25, lb. \$7.50.

## PRESERVING VARIETIES

**Golden Queen.** Bright yellow, large and solid. Pkt. 10c.,  $\frac{1}{2}$  oz. 25c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.50.

**Yellow Pear-shaped.** Pkt. 10c.,  $\frac{1}{2}$  oz. 25c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.25.

**Yellow Plum-shaped.** Pkt. 10c.,  $\frac{1}{2}$  oz. 25c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.25.

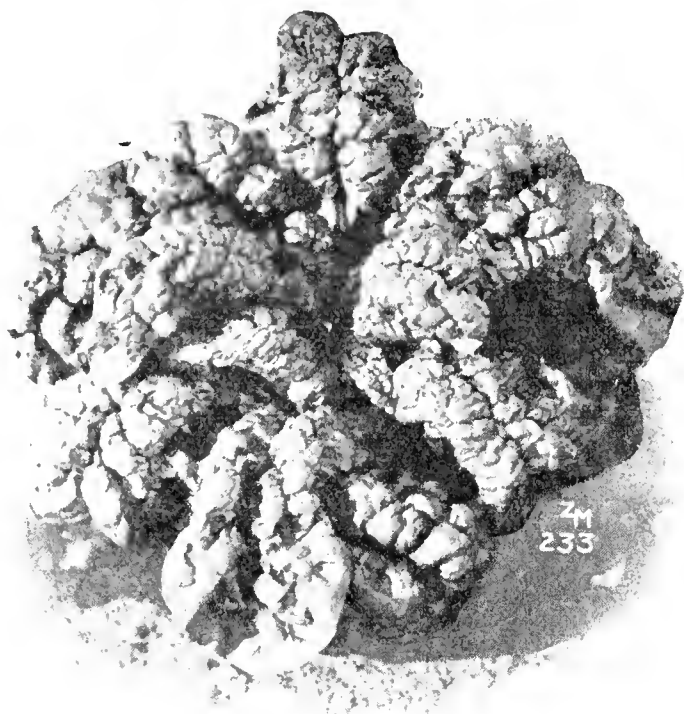
**Red Pear.** Pear-shaped red. Pkt. 10c.,  $\frac{1}{2}$  oz. 25c., oz. 40c.

**Peach.** Very small, pink fruit, with slight peach bloom on skin. Pkt. 10c.,  $\frac{1}{2}$  oz. 25c., oz. 40c.

**Husk, or Strawberry.** Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.

**Red Cherry.** Small, grows in clusters. Pkt. 10c.,  $\frac{1}{2}$  oz. 30c., oz. 50c.

ALL TOMATO SEEDS ON THIS PAGE, POSTPAID



NEW LONG STANDING BLOOMSDALE SPINACH

## SPINACH

1 packet will sow 50 feet of drill, 15 to 20 lbs. to an acre

**Culture**—Sow in early Spring, in drills a foot apart, every 2 weeks for a succession, and as it grows, thin out for use. For Fall use, sow in August and for Winter crop in September. Cover that which is left over Winter with straw or leaves after the weather becomes quite cold. Keep clear of weeds. Sow the seeds of New Zealand in hills 2 ft. apart each way, 3 or 4 seeds in a hill.

**M.-S. Reselected Bloomsdale Savoy-leaved.** The popular Fall Spinach so largely grown for market. Grows upright, the leaves being crumpled, dark green and very thick. Pkt. 10c., ¼ lb. 15c., lb. 35c., 5 lbs. \$1.25, 100 lbs. \$15.00.

**Dark Green Bloomsdale.** A better and darker strain of the well-known Reselected Bloomsdale. Its darker color gives the plants a fresh appearance for a longer time after being cut than ordinary Bloomsdale. Though not quite so long-standing as our New Long Standing Bloomsdale it remains much longer in prime marketable condition than the old Savoy-leaved. Pkt. 10c., ¼ lb. 15c., lb. 40c., 5 lbs. \$1.50, 100 lbs. \$17.50.

**Virginia Blight-resisting Bloomsdale Savoy.** This strain is not as heavily crumpled and of lighter color than the Reselected Savoy. However in places where plants grown from Reselected Savoy seed show blight, this strain has proven to given excellent results, being absolutely free from blight. Pkt. 10c., ¼ lb. 15c., lb. 40c., 5 lbs. \$1.50, 100 lbs. \$17.50.

**Old Dominion.** A blight resisting Long Standing Spinach for Fall sowing. Dark green leaves, which are well curled. Plants are compact and lay close to the ground. Pkt. 10c., ¼ lb. 15c., lb. 40c., 5 lbs. \$1.50, 100 lbs. \$20.00.

**New Long Standing Bloomsdale.** A new strain of outstanding merit, that, although recently introduced, has already become a favorite with commercial growers on account of its splendid performance. It is almost as early and quick growing as the old Bloomsdale, but it will stand in marketable condition 10 to 14 days longer before going to seed. It is intensely crumpled and blistered and very uniform. The color is a deep glossy green. Wherever Bloomsdale is grown, this improved strain will give far more satisfactory results. Pkt. 10c., ¼ lb. 15c., lb. 40c., 5 lbs. \$1.50, 100 lbs. \$17.50.

**Juliana.** Very long standing, heat resisting, handsome dark green. Very thick and curled leaves. Absolutely without male plants which is the cause of the long standing quality. Pkt. 10c., ¼ lb. 15c., lb. 40c., 5 lbs. \$1.50, 100 lbs. \$20.00.

**New Zealand.** Of delightful flavor and practically everbearing. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

Prices on larger quantities furnished on application

## TOBACCO SEED

**Connecticut Seed Leaf.** A very popular variety.

**Improve White Burley.** A heavy yielder of rich, bright leaf, large, long and broad. Should be grown only on limestone soil.

**Choice Havana.** An Americanized Havana used for cigar purposes, although sometimes used as a manufacturing sort. Has a very large, long, fine quality leaf; very early, making two crops a season in some sections. Best adapted to chocolate or rich gray soils.

Above varieties. Pkt. 10c., oz. 35c., ¼ lb. \$1.00, lb. \$3.50

## TURNIP

1 packet for 100 feet, 2 pounds to the acre

**Culture**—For early use sow as soon as the ground opens in Spring in drills from 12 to 15 in. apart; thin out to 6 or 9 in. in the rows. For a succession, continue to sow in July and August. The Rutabagas are grown for feeding stock and are also excellent for the table. Take up the roots in November or before severe frosts; cut off the tops within an inch of the crown, store in a cool cellar, or pit, or pile up in a conical form, out of doors, in dry ground; cover carefully with long straw and finish by earthing up, covering them with about 12 or 15 in. of earth, leaving a trench around the heap to carry off the water. Put away in this manner they will be found in good condition in the Spring.

**M.-S. EARLY CHAMPION TURNIP.** This is the best Turnip for home gardens and market gardeners to plant. It is large, perfect globe shape, white as snow with a beautiful distinct red shoulder (tops are not over large) stays tender and sweet a long time. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

**Red, or Purple Top White Globe.** A variety of decided merit and the most popular in our markets. Globular shape, very handsome and of superior quality. Is a heavy producer, early and of rapid growth and an excellent keeper. Besides being a first class table Turnip, it is also very good for stock. Pkt. 10c., oz. 15c., ¼ lb. 20c., lb. 50c., 5 lbs. \$2.00.

**Extra Early Purple Top Flat Strap-leaved.** Pkt. 10c., oz. 15c., ¼ lb. 20c., lb. 60c.

**Improved Purple Top Rutabaga, or Swede.** The leading variety of Rutabaga and is grown principally for stock, although it is very often used for table. Hardy, productive, flesh yellow, solid, sweet, fine grained and of good flavor. Rutabagas should be sown about one month earlier than other Turnips. Pkt. 10c., oz. 15c., ¼ lb. 20c., lb. 60c.

**Purple Top Yellow Aberdeen.** Medium size, round, pale yellow, tender and sugary. Is hardy and productive and keeps well. Closely approaches Rutabaga in hardness and firmness of texture. This is an old, esteemed variety for stock. Pkt. 10c., oz. 15c., ¼ lb. 20c., lb. 60c.

**White Egg.** A quick growing, egg shaped variety. Pkt. 10c., oz. 15c., ¼ lb. 25c., lb. 75c.

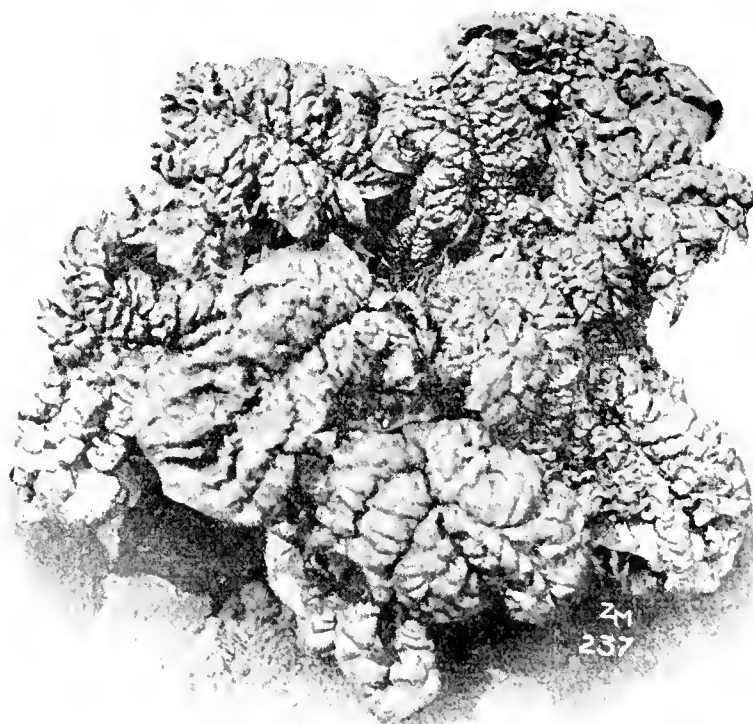
**Yellow, or Amber Globe.** Excellent for table use or stock. Fine quality, keeps well. Pkt. 10c., oz. 15c., ¼ lb. 20c., lb. 60c.

**Cow Horn.** A long, white, Carrot shaped Turnip, which grows half out of the ground. Mostly used for feeding stock, but makes a fine table sort. Has lately been brought to prominence for green manuring in connection with Rape. Pkt. 10c., oz. 15c., ¼ lb. 20c., lb. 60c.

**Seven Top.** Grown exclusively for its tops and when properly prepared and cooked, makes a fine dish. Withstands our Winter without any protection. Pkt. 10c., oz. 15c., ¼ lb. 20c., lb. 50c.

WE PAY POSTAGE ON PKTS., OZS., ¼ LBS., AND LBS.

See VEGETABLE PLANTS, next page



DARK GREEN BLOOMSDALE SPINACH

# VEGETABLE PLANTS AND ROOTS

**No Plants Sent C.O.D.** We cannot send plants to restricted Japanese Beetle zones.

All of our plants are produced from our **M.-S. Sure Growing Seeds**, and will give wonderful results. If wanted in larger quantities, write for special quotations. The time when plants are ready is greatly controlled by the season, the specified time is the earliest date.

## ARTICHOKES (Ready in April)

**Jerusalem.** Propagated by and for its tubers; used for the table and stock feeding. Qt. 35c., p.p. 45c.; peck \$1.50, p.p. \$1.75.

## ASPARAGUS ROOTS (Ready Oct. 15 and March 1)

Two-year-old roots usually produce second year after planting.

**2-Year-Old Roots** Doz. 100 1000

**Columbian Mammoth White** (White).....\$0.30 \$1.25 \$9.00

**Palmetto** (Green stalks)..... .30 1.25 9.00

**Mary Washington** (Dark green stalks)..... .50 1.50 10.00

If wanted by mail, add 10c. to doz., 15c. to 100, 50c. to 1000

## BORECOLE PLANTS (Ready July 1)

Doz. 20c., 100 75c.; by mail, add 5c. to doz., 15c. to 100.

## BROCCOLI CALABRESE PLANTS (Ready May 15)

Doz. 25c., 100 \$1.50; by mail, add 5c. to doz., 10c. to 100.

## BRUSSELS SPROUTS (Ready in July)

**Matchless Improved.** 12 for 25c., 100 75c., 1000 \$6.00; if wanted by mail, add 5c. to doz., 10c. to 100.

## "FROST-PROOF" CABBAGE PLANTS

(Ready Feb. to May)

**Early Jersey Wakefield, Charleston Wakefield, Succession, Large Late and Early Flat Dutch, Copenhagen Market, and Golden Acre**

"Frost-proof" Onion Plants should be planted at the same time. Be sure to order some when ordering "Frost-proof" Cabbage plants.

**Yellow Bermuda, Crystal Wax and Sweet Valencia** Prices—same as for Cabbage Plants. We will gladly mix an order of part Cabbage and part Onion plants to suit customer

"Frost-proof" Cabbage Plants should be planted at the same time. Be sure to order some when ordering "Frost-proof" Onion Plants. Prices of Cabbage and Onion Plants are identical.

By Parcel Post—Postpaid: 100 plants 50c., 500 plants \$1.25, 1000 plants \$2.25

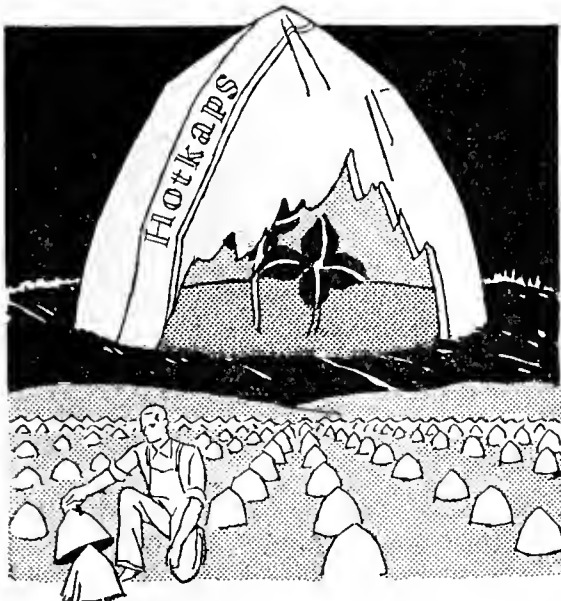
By express—Express charges collect: 1,000 to 4,000 plants, \$1.50 per 1000; 5,000 to 9,000 plants, \$1.25 per 1000; 10,000 plants and over, \$1.00 per 1000

## CABBAGE PLANTS (Ready April 15)

**Early Flat Dutch and Jersey Wakefield.** From hotbeds. Doz. 15c., 100 50c., 1000 \$3.00.

**Late Flat Dutch and Savoy.** Ready May 15th. Doz. 15c., 100 50c., 1000 \$3.00. If Cabbage Plants are wanted by mail, add 5c. to doz., 10c. to 100, 25c. to 1000.

## GERMACO HOTKAPS



can make you extra dollars this season. They protect plants from frost, wind, rain, insects and ground crusting. Thus they produce hardier, quicker crops. You get higher prices!

1000 lots \$10.00, postpaid \$10.36, 5,000 lots at \$9.85 per 1000, 10,000 lots at \$9.75 per 1000. 250 trial package, including setter and tamper, \$3.65, postpaid \$3.82; Steel

Hotkap Setter and tamper, \$2.25, postpaid \$2.50.

If you need Hotkaps for your backyard garden, note these prices: 100, with Garden Setter \$2.40, postpaid \$2.55; Garden Setter alone 50c., postpaid 60c.

## CAULIFLOWER PLANTS (Ready April 15)

**Snowball Variety Only.** From hotbeds. Doz. 25c., 100 \$1.50. By mail, add 5c. to doz., 10c. to 100.

## CELERY PLANTS (Ready in July)

**Golden Heart, White Plume, Giant Pascal, Winter Queen and Golden Self-blanching.** Doz. 25c., 100 75c., 1000 \$6.00. By mail, allow 5c. to doz., 10c. to 100.

## EGGPLANTS (Potted) (Ready after May 1)

**M.-S. Ebony King and Black Beauty.** Each 7c., doz. 75c., 100 \$5.50. Best sent by express. By mail, add 2c. to each plant.

## HORSERADISH ROOTS (Ready in March)

**Maliner Kren** (Bohemian). Large, strong cuttings. Doz. 35c., 100 \$1.00, 1000 \$7.00. If wanted by mail, add 5c. to doz., 10c. to 100.

## LETTUCE PLANTS (Ready April 15)

**Belvedere, Big Boston, Iceberg.** Doz. 10c., 100 50c., 1000 \$4.00. If wanted by mail, add 5c. to doz., 10c. to 100.

## PEPPER PLANTS (Ready in May)

**California Wonder** (Sweet), **Long Red Cayenne** (Hot). Hotbed grown. Doz. 25c., 100 \$1.50; by mail, add 5c. to doz., 10c. to 100. Potted plants, **California Wonder** only, each 6c., doz. 60c., 100 \$4.50, if to go by parcel post, add 1c. to each plant.

## RHUBARB ROOTS (Ready October 15 and March 1)

**Victoria.** First size roots. Each 10c., doz. \$1.00, 100 \$7.50. If wanted by mail, allow 5c. to each, 20c. to doz.

## SWEET POTATO PLANTS (Ready May 15)

**Yellow Big Stem and Up Rivers.** 100 50c., 1000 \$3.00. If wanted by mail, allow 8c. to 100, 25c. to 1000.

## TOMATO PLANTS (Ready after April 15)

**Pot-grown Plants**, in the following varieties only: **Early Wonder, Bonnie Best, Chalk's Jewel.** Each 7c., doz. 75c., 100 \$5.50. By mail, add 1c. per plant.

**Hotbed Plants. Bonnie Best, Marglobe, Stone.** Doz. 20c., 100 60c., 1000 \$4.00. By mail, allow 5c. to doz., 15c. to 100, 40c. to 1000.

## New Improved CEL-O-GLASS. Lasts twice as long.

Grow your own plants. Get earlier flowers and vegetables with Cel-O-Glass. Use the new improved Cel-O-Glass on your coldframes and hotbed sashes—for such important new uses as cylinders and cones for individual plants, and forcers for row plants and newly planted seeds.

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Cut any size from 1 running foot up. Per running foot: 28 in. wide, 32c.; 36 in. wide, 41c.; postage, 10c. for 1 running foot, 1c. extra for each additional running foot; 100 ft. rolls, 28 in. \$31.00; 36 in. \$39.00.



## MULCH PAPER

Bigger crop, better crop, earlier crop. No weeding. Descriptive circular on request.

### Type A (Lightweight)

Width	Length	Sq. ft.	Per roll
18 in.	900 ft.	1,350	\$3.00
36 in.	900 ft.	2,700	6.00

### Type B (Heavyweight)

Width	Length	Sq. ft.	Per roll
18 in.	450 ft.	675	\$3.00
36 in.	450 ft.	1,350	6.00

Discounts on large orders on quotation.

Trial rolls containing 45 ft. **Type B Mulch Paper**, 18 in. wide, 65c., postpaid 76c.



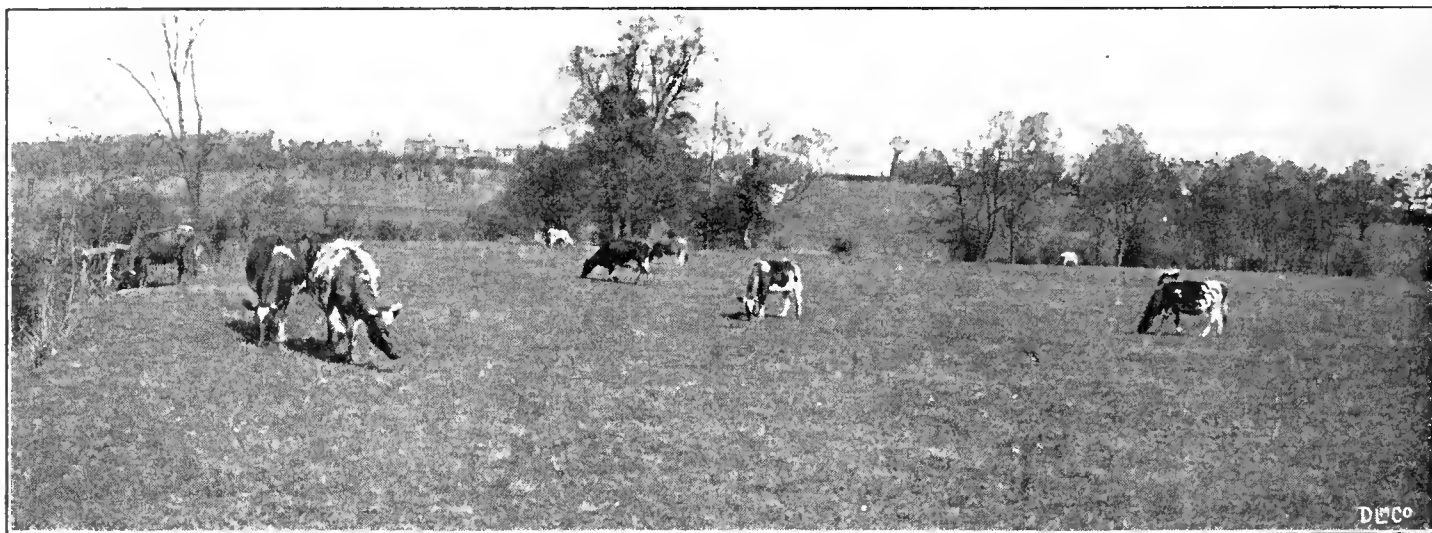
# M.-S. RELIABLE GRASS, FORAGE AND FARM SEEDS

If Grasses are wanted by Parcel Post, allow for postage. Prices on Grasses subject to market changes

Write for samples and prices in larger quantities

**M.-S. Permanent Pasture Mixture.** Either for low or up lands. It is made up of grasses best calculated to afford an abundant and nutritious food supply for stock. The formulas are based upon successful experience. For all ordinary permanent pasturing, they will be found entirely satisfactory. When ordering state if for a low or up land. Price of either: Lb. 25c., 10 lbs. or over, at 20c.; bus. of 30 lbs. \$4.50.

**LAWN GRASS MIXTURES**—See second cover page.



M.-S. PERMANENT PASTURE MIXTURE MAKES A NUTRITIOUS FOOD FOR CATTLE

**Blue Grass, Fancy Kentucky** (*Poa pratensis*). Our stock of this is extra fine, thoroughly re-cleaned; sow 3 to 5 bus. per acre on lawn, 2½ to 3 bus. on pasture fields (bus. 14 lbs.) Lb. 25c.

**Timothy** (*Phleum pratense*). Sow ½ bus. per acre alone; with clover, 1 peck (45 lbs. per bus.) Lb. 15c.

**Crested Dogtail** (*Cynosurus cristatus*). Excellent as a pasture and lawn grass. Sow 3½ to 4 bus. per acre (21 lbs. per bus.) Lb. 50c.

**English, or Perennial Rye Grass** (*Lolium perenne*). This makes the quickest returns in growth of any grass; is deep rooted and is readily established. Sow 2½ bus. per acre (20 lbs. per bus.) Lb. 20c.

**Hard Fescue** (*Festuca duriuscula*). A splendid grass for golf links, tennis courts, etc.; will resist droughts. Sow 3 bus. per acre (12 lbs. per bus.) Lb. 30c.

**Herd, or Red Top Fancy Re-cleaned** (*Agrostis vulgaris*). This is one of the best grasses for sowing for immediate effect. Our stock is free from chaff and is absolutely pure. Sow 40 lbs. per acre (32 lbs. per bus.) Lb. 25c.

**Meadow Fescue** (*Festuca pratensis*). Sow 40 to 50 lbs. per acre (22 lbs. per bus.) Lb. 25c.

**Italian Rye** (*Lolium italicum*). Very desirable for pasture, being an annual, it comes to maturity the first season; the ideal lawn seed for Southern lawns in Winter. Sow 50 lbs. per acre (18 lbs. per bus.) Lb. 20c.

**Orchard Grass** (*Dactylis Glomerata*). For early pasturing this is very desirable; also fine for sowing in shaded places. Sow 40 lbs. per acre (14 lbs. to bus.) Lb. 20c.

**Red, or Creeping Fescue** (*Festuca rubra*). Very valuable for sowing on sandy soil and in shaded places and putting greens, tennis courts, etc. Lb. 30c.

**Broom Corn** (*Sorghum vulgare*). Succeeds in a good, deep soil, fresh but not damp, very sensitive to cold. Long brush evergreen, which is made into Brooms. (Bus. 50 lbs.) Lb. 20c.

**Kaffir Corn.** Of great drought-resisting quality. Can be sown as late as July; 10 lbs. to the acre in drills (bus. 56 lbs.) Lb. 10c.

**Cow Peas** (*Vigna catjang*). Valuable in this latitude as a fodder plant; their chief value, however, is as a green crop to plow under. The seed should not be sown till the ground has become warm. Sow 2 bus. per acre broadcast, 1 bus. in drills. We offer Black Whippoorwill, Gray, New Era, Black Eye and other leading varieties, also Mixed. Lb. 10c. Bus. price on request.

**Soja Bean** (*Glycine hispida*). Mammoth Yellow, Brown and Black, Pekin, Sable and Wilson Blacks. All thrive well in our climate. Valuable for the South. Do not make good hay, but is good for ensilage or green fodder. Sow 1½ bus. per acre alone or ½ bus. Soja Beans with 1 bus. Cow Peas. Yields as high as 20 tons of green feed per acre. Lb. 10c. Quantity price on application.



SOJA BEANS

**Sudan Grass.** A tall annual grass, growing 6 to 8 ft. high when drilled, but when sown broadcast thickly does not grow quite so tall. Every farmer and stock raiser should learn about this wonderful grass, as it is eaten by all kinds of stock and will produce more hay to the acre than any grass that has ever been introduced. Allows 3 to 4 cuttings, and produces 2 to 5 tons per acre, depending upon the soil. Can either be drilled at the rate of 2 to 3 lbs. per acre in 3 ft. rows or broadcast at the rate of 10 to 20 lbs. per acre. Plant from March to August. Lb. 15c.

**Peas, Canadian Field.** Valuable for cattle feeding, especially for milch cows. It also makes fine ensilage. It is sown broadcast in the Spring and harrowed in. If sown with oats, about 1½ bus. to acre; in drills, 2 bus. to acre (bus. 60 lbs.) Lb. 10c.

**Golden Millet** (*Panicum millaceum* var.). An improved variety, medium early, growing 3 to 5 ft. high. Heads are closely condensed, though the spikes are very numerous. Sow 40 to 50 lbs. broadcast to the acre (bus. 50 lbs.) Lb. 10c.

**Japanese Buckwheat.** In the locality of Baltimore this is sown anywhere from June 1st to July 15th; 1 bus. of 48 lbs. broadcast to the acre. Qt. 15c., peck 75c.

## SORGHUM, OR SUGAR CANE

Ideal cattle food. Sow 1 or 2 bus. broadcast, 25 lbs. to the acre in drills (bus. 50 lbs.)

**Early Amber.** Grows 10 to 13 ft. high. Fine for cows, either green or cured. Lb. 10c.

**Early Orange.** Ripens about 10 days after Early Amber, and is said to produce a larger crop. Lb. 10c.

**Sunflower, Large Russian.** Lb. 10c.

## VETCH

### SPRING OR WINTER

**Sand, Winter, or Hairy Vetch** (*Vicia villosa*). Thrives on poor, arid, sandy soils. It may be sown either in Fall or in Spring, mixed with rye, for a support. Grows 3 to 4 ft. high and can be cut as soon as the bloom appears and again for the seed. Perfectly hardy. Sow 50 lbs. to the acre. Price variable. Lb. 15c.

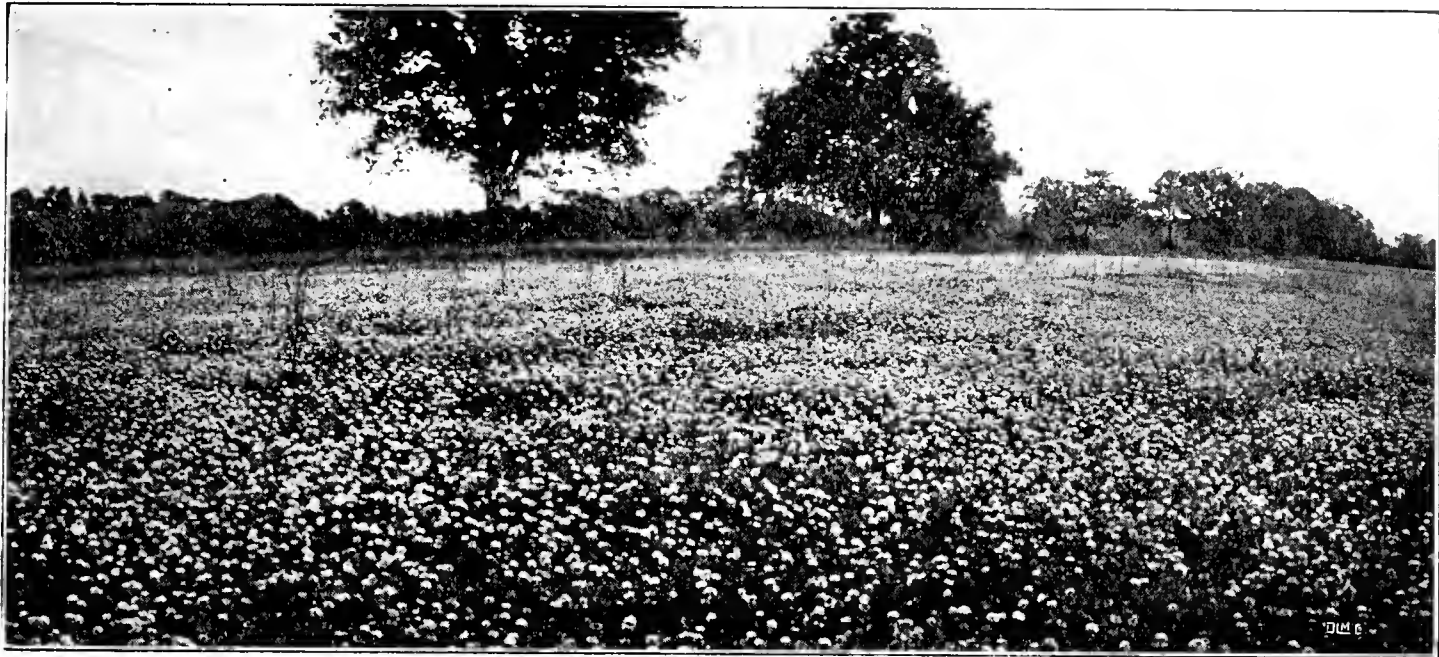
**Spring vetch.** Same as above, but not hardy; sow in Spring only. Lb. 10c.



HAIRY VETCH

## RAPE

**DWARF ESSEX, ENGLISH** (*Brassica napus*). Is excellent for sheep and hog pasture, and chicken yards, also for soiling. It may be sown in May and will be ready for pasturing in July and August. Or it may be sown in June or July and yet furnish a large amount of pasture or fodder. In drills, sow 5 lbs. to the acre; sown broadcast, 10 lbs. to the acre. Lb. 10c., 10 lbs. 75c.



CLOVER SEEDS

Write for samples and prices in larger quantities. Prices subject to market fluctuation

**Alfalfa, or Lucerne** (*Medicago sativa*). Requires deep, rich, well-drained soil. Roots very deeply, the tap root descending often to a depth of 10 or 15 ft. in loose soil. It is, consequently, capable of resisting great droughts. It should be sown alone (about the same time as Oats are sown in this section) in thoroughly prepared, deeply plowed soil, at the rate of 20 to 25 lbs. to the acre. It is also successfully sown as late as August and up to the middle of September. The crop should be cut when the plant is coming into bloom. In suitable soil it is perennial and several crops may be cut every year. Height 1 to 3 ft. We handle home as well as foreign grown Alfalfa. Lb. 25c.

**Grimm Alfalfa** (Certified). Lb. 30c.

**Alsike, or Hybrid Clover** (*Trifolium hybridum*). A perennial, 1 to 3 ft. high; grows well in our locality and can withstand severe cold. A good honey plant for bees. 15 lbs. to the acre. Lb. 25c.

**Mammoth Red, or Sapling Clover**. Grows larger and lasts longer than the common red Clover; valuable for plowing under. 10 lbs. to the acre. Lb. 25c.

Due to constant market fluctuations, we cannot quote any kind of Clover and Grass Seeds in quantities—Prices on application

**Japan Clover or Lespedeza**. The original Lespedeza. Sow 20 lbs. to the acre on your poor land to bring it into condition to produce profitable crops. Once started it smothers broomsedge and other undesirable growths. 10 lbs. Japan Clover and 8 lbs. Herd's Grass will give a hay crop that may be grazed till frost. Lb. 15c.

**Red Clover** (*Trifolium pratense*). One of the most valuable farm crops for pasture, hay or for turning under for green manure. It requires a deep, rich soil and yields two hay crops in the season. Sow at the rate of 15 lbs. to the acre. Lb. 25c.

**Crimson, or German Clover** (*Trifolium incarnatum*). Erect annual, 1 to 2 ft. high, with bright scarlet flowers. It is largely grown for improving the soil by turning under. It is a valuable crop for pasture or green manure. For hay it should be cut when in full bloom. Sow 20 lbs. to the acre. Lb. 12c.

**White, or Dutch Clover**. Listed on inside front cover page.

**White Sweet Clover** (*Melilotus alba* or Bokhara). Valuable sort for soiling and for ensilage and bees. Grows from 3 to 5 ft. high; sown in rich soil; may be cut three times; lasts for years if cut before flowering. Lb. 12c.

Leading Varieties of  
SEED OATS, RYE, WHEAT, BARLEY, etc.  
Prices and samples furnished on application

The Best  
INOCULATION  
for All Legume Seeds



Furnished  
in moist soil  
(humus) or jelly form

For ALFALFA, CLOVER, BEANS, PEAS, VETCH, Etc.

Means Better Crops :: Better Soils :: Less Fertilizer Expense

Stimugerm is a culture of bacteria especially selected and bred for maximum vitality and ability to form nodules and take nitrogen from the air. Stimugerm contains many millions of active, hardy legume bacteria, guaranteed to work. You can obtain Stimugerm in either jelly or humus form. Seeds of all legumes—Clover, Alfalfa, Sweet Clovers, Soy Beans, Vetches, etc.—will yield far better returns if inoculated

Alfalfa, Clover, Lespedeza and Lupine			
1/2 bus.....	35c.	1 bus.....	65c.
2 1/2 bus.....	\$1.40		

before planting and in addition leave in the soil heavy deposits of valuable nitrogen which benefits all succeeding crops. It is crop insurance at very low cost and the results will repay the small effort involved beyond your expectations. These scientifically bred cultures are far superior to the natural germs in the soil and therefore inoculation is preferable to uncertain and laborious soil transfer.

Soybeans, Cowpeas, Velvet, Lima Beans, Peas, Vetch, Austrian Winter Peas and Beans			
1 bus.....	35c.	2 bus.....	65c.
5 bus.....	\$1.40		

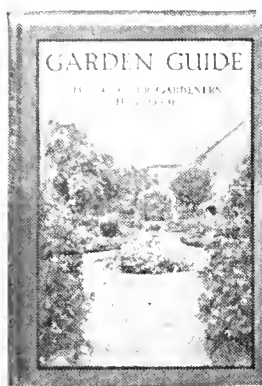
All Stimugerm postpaid

Special Garden Size for Garden Peas, Beans, and Sweet Peas, 25c.

Be sure to specify quantity and variety of seeds you wish to inoculate, also state whether Stimugerm Jelly or Humus is preferred.

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Written especially for amateurs. Profusely illustrated, well-printed on good paper, handsomely bound in durable covers. Each new edition brought up to date.



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Each subject written by an authority—thus giving the advantage of numerous experts rather than of one author. A veritable encyclopedia of gardening for the average sized home. Covers flowers, fruits, vegetables, lawns, trees, shrubs, Roses and other favorites, perennials, annuals, bulbs, ferns, water plants, rock gardens, house plants, fertilizers, pruning, propagation, transplanting, diseases, insects, etc. 388 pages, 275 illustrations. Paper \$1.00, postpaid \$1.10; cloth \$1.50, postpaid \$1.65.

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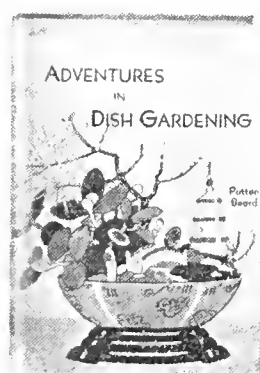
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A complete, non-technical description of the common shrubs, showing how one differs from the other. Discusses under each species its characters, uses, soil, pruning and propagation. A table of varieties gives the height in feet, exposure to plant, soil, color of flowers, season of bloom, color of fruit and notes on each species. 446 pages, 187 illustrations. Cloth \$3.00, postpaid \$3.15.

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## ROSE GARDEN PRIMER

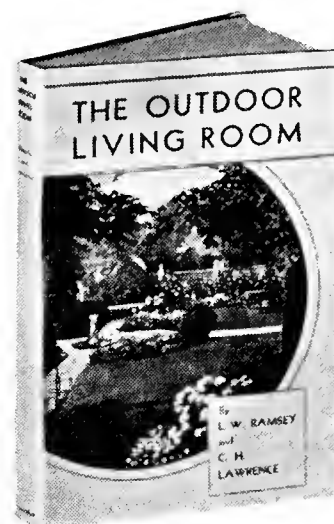
By Eber Holmes

Gives all necessary information for the successful growing of Roses at home, origin, history, soils, cultivation, insects and diseases, propagation, classification, protection, under glass, different species for different climates, etc. 224 pages, 70 illustrations. Cloth \$1.75, postpaid \$1.90.

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Tells how to successfully grow and enjoy over 145 genera of our most popular and durable of border plants. Lists of different perennials for different purposes and a condensed tabular list of over 500 species. Gives general principles of growing, using, selecting, propagating and insect and disease troubles and remedies. 280 pages, 103 illustrations. Cloth \$2.00, postpaid \$2.15.

## CITY AND SUBURBAN GARDENING

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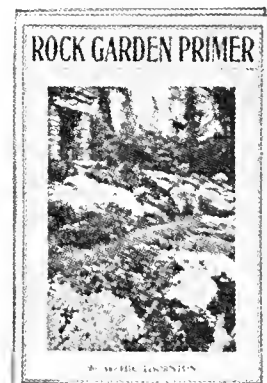
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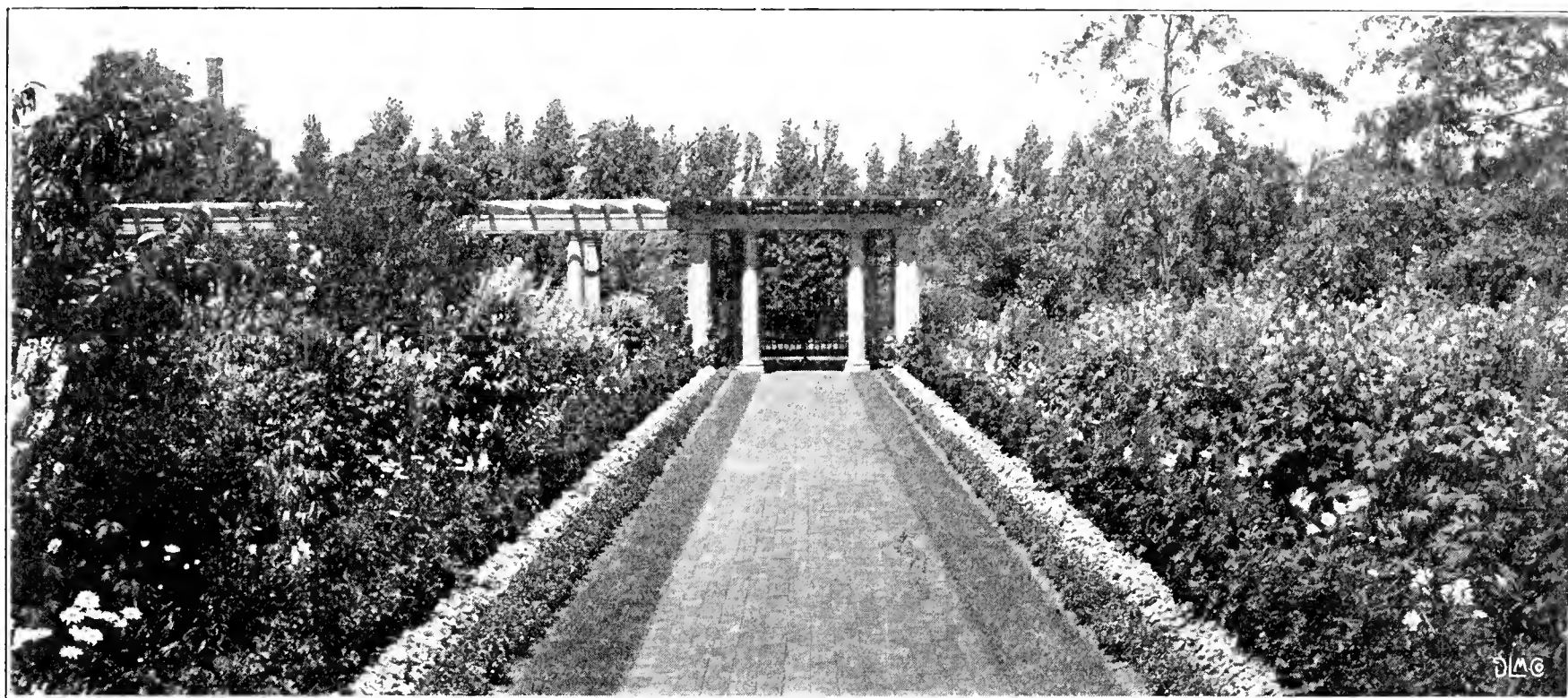
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# M.-S. RELIABLE FLOWER SEEDS

**Sow the Seeds** either broadcast or in rows, and *cover lightly*—a good general rule is to cover several times the size of the seeds and press the soil firmly. *Small seeds cannot come up if covered too deep.* Very fine seeds should be sown on the surface and *pressed into the soil.* To have the earliest blooms, flowers that stand transplanting should be sown early in boxes indoors. Water with a fine spray, do not let the soil dry out, do not keep the plants saturated, as they may damp off. When three or four leaves have formed, transplant 1 in. apart in boxes, or in the open ground if warm enough.

**The Soil** best suited to flowers is a light, rich loam, made as fine and smooth as possible. If heavy, mix with sand to lighten, and make it friable. Many seeds are very small and require a fine seed-bed.

**HALF HARDY** and **TENDER FLOWERS** should not be sown or transplanted outside until the weather is settled and warm.

**HARD SHELLED SEEDS** like Canna, Moonvines, Morning-glories should have a hole filed through the outer shell, or soaked in warm water 24 hours before planting.

**FLOWERS FOR SPECIAL PURPOSES.** To aid those not familiar with the uses to which flowers may be put, we have classified a few below. Where a variety is suitable for two uses, we have entered it in both lists. Note carefully the heights of the plants so that a proper selection may be made.

**FOR BORDERS AND BEDDING.**—6 to 12 inches high. Alyssum, Brachycome, Candytuft, Dusty-miller, Centaurea, Daisy, Dianthus, Forget-me-not, Lobelia, Mignonette, Pansy, Bedding Petunia, Dwarf Phlox, Iceland Poppy, Pyrethrum, Portulaca, Verbena.

**FOR BORDERS AND BEDDING.**—1 to 2 feet high. Ageratum, Amaranthus, Antirrhinum or Snapdragon, Aquilegia or Columbine, Asters, Balsam, Begonia, Calendula, Calliopsis, Candytuft, Carnation, Clarkia, Chrysanthemum, Coleus, Centaurea, Cockscomb, Shasta Daisy, Dianthus or Pinks, Escholtzia, Gaillardia, Godetia, Heliotrope, Annual Larkspur, Marigold, Marvel of Peru, Mignonette, Dwarf Nasturtium, Petunia, Phlox, Poppy, Salpiglossis, Salvia, Scabiosa, Stokesia, Stocks, Sweet-william, Vinca, Wall-flower and Zinnia.

**PLANT IN BOXES AND TRANSPLANT.**—Ageratum, Aster, Calendula, Canterbury-

bells, Calliopsis, Chrysanthemum, Cockscomb, Cosmos, Godetia, Lobelia, Marigold, Marvel of Peru, Petunia, Pyrethrum, Ricinus, Salpiglossis, Salvia, Sensitive Plant, Stocks, Sweet-william and Verbena. These may also be planted where they are to grow.

**FOR EDGING AND LOW BORDERS.**—Alyssum, Brachycome, Candytuft, Dusty Miller, Centaureas, Daisy, Forget-me-not, Ice Plant, Lobelia, Portulaca and Stocks.

**FOR CUT FLOWERS.**—Antirrhinum or Snapdragon, Alyssum, Aquilegia or Columbine, Aster, Calendula, Calliopsis, Candytuft, Carnation, Flowering Centaureas, Chrysanthemum, Cosmos, Dahlia, Shasta Daisy, Dianthus or Pinks, Eschscholtzia, Gaillardia, Gypsophila, Heliotrope, Marigold, Mignonette, Nasturtium, Rudbeckia, Salpiglossis, Scabiosa, Stokesia, Stocks, Miniature Sunflower, Sweet-sultan, Sweet-william, Sweet Peas and Zinnia.

**FOR TALL BEDS, GROUPS AND BACK-GROUNDS.**—Amaranthus, Calliopsis, Canna, Canterbury-bells, Tall and Plumed Cockscomb, Cosmos, Dahlia, Digitalis, Hollyhock, Kochia or Burning-bush, Perennial Larkspur, African Marigold, Nicotiana, Oriental Poppy, Evening Primrose, Ricinus, Salvia, Salpiglossis, Scabiosa, Stokesia, Sunflower, Woolflower and Zinnia.

**FOR POTS, PORCH BOXES AND BASKETS.**—Ageratum, Alyssum, Begonia, Dusty-miller, Centaurea, Ice Plant, Lobelia, French Marigold, Tall and Dwarf Nasturtium, Nepeta, Oenothera, Petunia, Smilax, Stocks, Thunbergia, Vinca and Verbena.

**FOR MOUNDS AND ROCKERIES.**—Alyssum, Candytuft, Coleus, Dianthus, Gypsophila, Helianthemum, Heliotrope, Heuchera, Ice Plant, Lobelia, Mimulus, Pansy, Phlox, Portulaca, Saponaria, Smilax, Thunbergia, Verbena and Viola.

## ALL FOLLOWING ARE ANNUALS

10c. per pkt., unless otherwise noted

1a. **ACROCLINIUM** (Everlasting Flower). Like heads of Clover. **Pink, white and Mixed.** Each 10c.

1. **AGERATUM** (Floss Flower). An excellent plant for edging or solid effects. A continuous bloomer. **Imperial Dwarf Blue, Imperial Dwarf White or Mixed.** Pkt. 10c., oz. 75c.

2. **ALYSSUM, Carpet of Snow.** One of the most popular garden flowers, in bloom all season. Used for edging or in rockeries or vases. Pkt. 10c., oz. 75c.

3. **Alyssum, Lilac Queen.** A very pretty deep lavender lilac, of dwarf compact habit. 6 in. Pkt. 10c.

**AMARANTHUS.** Brilliant foliaged annuals, growing from 3 to 5 ft. high. They thrive best in a hot, sunny location, not too rich soil, and given sufficient room to develop their full beauty.

4. **Amaranthus, Combustion, Molten Fire** (Erroneously called Summer Poinsettia). The most brilliant of this brilliant family. The foliage is bronzy crimson, each branch

terminating with a tuft of bright scarlet carmine leaves. Grows from 4 to 5 ft., according to the amount of moisture it obtains. It makes a very showy plant during the entire Summer months, culminating with the top turning red which resembles a Poinsettia.

5. **Amaranthus tricolor splendens** (Josephs-coat). An improvement on the old sort of more brilliant coloring. Pkt. 10c.

6. **Amaranthus caudatus** (Love-lies-bleeding). Has drooping crimson flower spikes. Pkt. 10c.

All Flower Seeds 10c. per pkt., unless otherwise noted—Postpaid

7. **ARCTOTIS** (African Daisy) **grandis**. Bushy annual plants, producing the entire season, on long stems, large, Daisylike flowers, pure white on the upper surface, the reverse side of petals lilac blue. 2 ft. Pkt. 10c.

8. **Arctotis hybrida** (1932 Novelty). This new variety of African Daisy is a most beautiful flower and easily grown. Height 12 in. The flowers come pink, scarlet, yellow and white, and have a dark disk in the center. The foliage is crested and fringed with the top of the leaves being green and the underneath silver. A truly wonderful cut flower. Pkt. 25c.

9. **ASPARAGUS plumosus nanus**. For house or conservatory decoration; extensively used by florists. Pkt. 25c., 100 seeds \$1.00.

### M.-S. SUPERB ASTERS

10. **Wilt-resisting Asters**. In five distinct colors: Azure blue, crimson, purple, shell pink, and white, or mixed. Each, pkt. 15c., oz. \$2.50.

11. **American Beauty Aster**. The queen of all Asters. Far superior to Peony and branching varieties. In five colors: Lavender, crimson, dark blue, pink, and white. Each, pkt. 10c., oz. \$2.00.

12. **American Beauty Aster**. Mixed. Pkt. 10c., oz. \$2.00.

13. **Aster, Ostrich-plumed**. Very beautiful. White, rose, crimson, light blue, dark blue, and choice mixed. Each, pkt. 10c., oz. \$2.00.

14. **Sunshine Asters**. This pretty Anemone-flowered variety is of great value either in beds, borders or for cutting; plants grow about 18 in. high, the dainty flowers held erect on good stems. The mixture offered contains a splendid range of delicate colors. Pkt. 10c.

15. **Aster, Queen of the Market**. Very early. White, pink, lavender, scarlet, dark blue, and choice mixed. Each, pkt. 10c., oz. \$1.50.

16. **Aster, Aurora**. This is a new type of Aster, very double, the outer petals are large, open and creamy white. Towards the center the petals are smaller and intensely quilled and of a beautiful yellow. Height 24 in. Fine for cutting. Pkt. 10c.

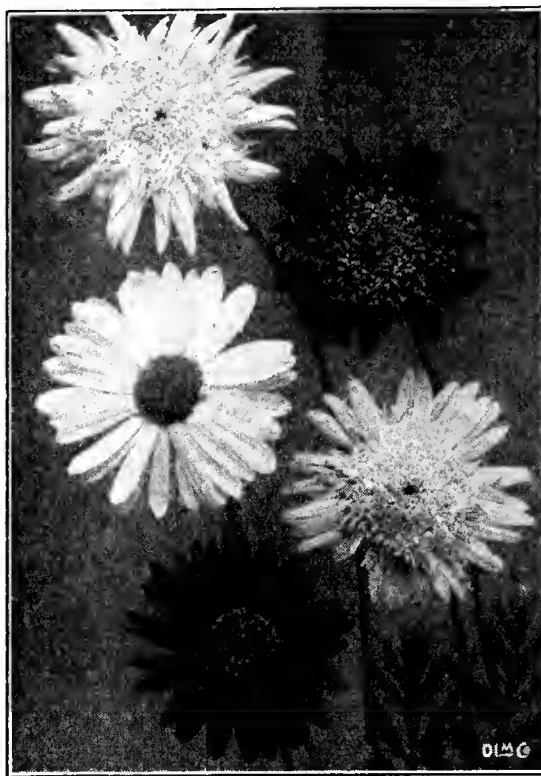
17. **BALLOONVINE** (Love-in-a-puff). A rapid growing annual climber. Seed pods like miniature balloons. Pkt. 10c.

18. **BALSAM** (Ladyslipper). An old-fashioned flower. With plenty of room they will develop to immense plants with gorgeous flowers. Colors: White, rose, scarlet, and mixed. Each, pkt. 10c.

19. **BALSAMAPPLE** (Momordica). Handsome climbing annual bearing ornamental, orange colored fruit. Pkt. 10c.



ASTER WILTRESISTING



CHRYSANTHEMUM (Painted Daisy) Single and Double (See page 27)

20. **BEGONIA**. Invaluable for bedding and pot culture; about 1 ft. high, beautiful foliage. Pink, white and crimson mixed. Pkt. 10c.

21. **BRACHYCOME** (Swan-river-daisy). A desirable hardy annual, blooming profusely the greater part of the Summer; small blue flowers resembling those of the Cineraria. 9 in. Pkt. 10c.

22. **CALENDULA** (Pot-marigold). Free flowering, showy annuals of easy culture, producing a fine effect in beds or mixed borders; valuable also for pot culture for Winter and Spring blooming. 1 ft.

22. **Calendula, Ball's Strain**. An extra long-stemmed, deep golden yellow used for forcing. Pkt. 40c., 1/4 oz. 75c., 1/2 oz. \$1.25, oz. \$2.00.

October, 1933.

Gentlemen:

I have never had such fine Asters as your Wilt-resisting seed produced.

Tom McCormick,  
Baltimore, Md.



BALSAM (Ladyslipper)

23. **Radio**. A late English introduction; a distinct new break; flowers very full, petals quilled; color, rich glowing orange. Pkt. 15c.

24. **Calendula, Meteor**. Yellow, striped orange. Pkt. 10c., oz. 50c.

25. **Calendula, Lemon Queen**. Lemon yellow. Pkt. 10c., oz. 50c.

26. **Calendula, Orange King**. Rich dark orange. Pkt. 10c., oz. 50c.

27. **Calendula, Mixed Colors**. Pkt. 10c., oz. 40c.

**CALIFORNIA POPPY**. See **Eschscholtzia**.

28. **CALLIOPSIS**. A very showy annual in bloom from early Summer till frost. All colors mixed. Pkt. 10c., oz. 50c.

28a. **CAMPANULA** (Canterbury-bell), **New Annual Single**. A new variety which blooms from seed in less than six months; plants grow from 2 to 2 1/2 ft. high and each plant produces from 6 to 8 spikes of bloom. Originator's stock seed in a selected mixture only. Pkt. 25c., large pkt. \$1.00.

29. **CANDYTUFT**. Dwarf, profuse flowers, of easy culture; useful for bedding and borders. Lavender, pink, crimson, white, and choice mixed. Pkt. 10c., oz. 40c.

30. **CANNA, Indian Shot**. Although these are generally planted from roots, they may be grown from seeds. Pkt. 10c., oz. 40c.

31. **CANARY BIRD VINE**. One of the most charming annual climbers, bearing hundreds of pretty, fringed bright yellow flowers, which resemble a canary bird with expanded wings. Pkt. 10c., oz. 35c.

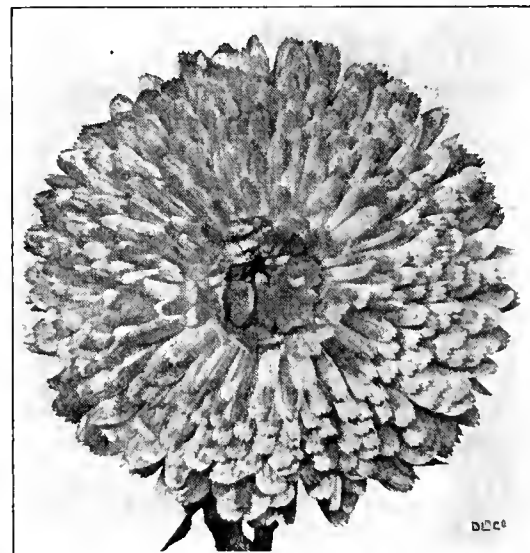
32. **CARNATION** (Marguerite). These are the most satisfactory of the annual Pinks, and will bloom in four months after sowing the seed. The flowers are large, fragrant and are produced continuously. If slightly protected the first Winter, they will revive the following Spring and bloom during that whole season. Pkt. 10c., oz. \$1.00.

33. **CARDINAL CLIMBER** (Ipomoea quamoclit hybrida). One of the finest annual climbers known today. Very graceful and beautiful, growing rapidly, and in a warm, sunny location with good soil, it reaches often a height of 20 ft.; it is densely clothed with palmlike, rich green leaves, bespangled with clusters of fiery scarlet, tubular spear-shaped flowers, measuring about 1 1/4 in. across. Pkt. 10c.

34. **CENTAUREA cyanus** (Cornflower). Also known as Blue Bottle, Ragged-robin, Bachelor Button. An old favorite garden annual. Double blue, pink, and white. Each, pkt. 10c., oz. 40c.

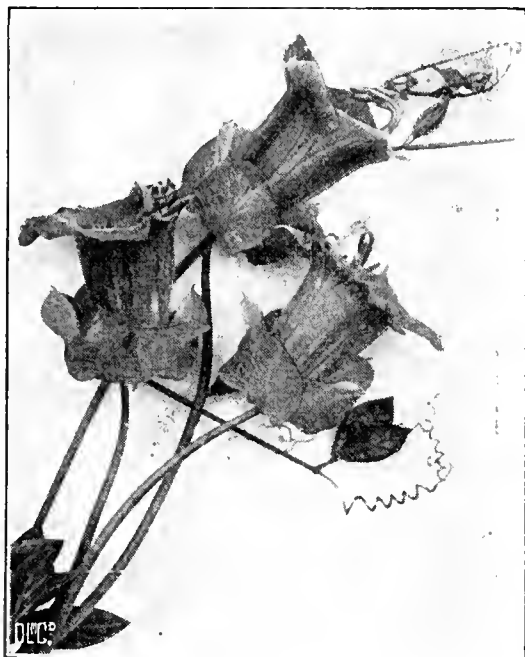
35. **Centaurea**. Mixed. Pkt. 10c., oz. 40c.

36. **Centaurea imperialis**, or **Sweet-sultan**. Gigantic, beautiful, sweet-scented flowers borne on long stems. Mixed. Pkt. 10c., oz. \$1.00.



CALENDULA, BALL'S STRAIN



COBAEA SCANDENS (*Cup-and-saucer Vine*)

**37. CENTAUREA, Whiteleaved** (Dusty-miller). Grown for their silver foliage; fine for edging and hanging baskets. Pkt. 10c.,  $\frac{1}{4}$  oz. 30c.

**38. CLEOME gigantea** (Giant Spider-flower). The plants attain a height of  $3\frac{1}{2}$  ft., well branched, each branch terminated by a large head of bright, rosy crimson flowers. It makes a striking subject for large beds or for interspersing in the shrubbery border, and is used extensively in many of the public parks. Seed should be sown in the open ground as soon as the weather is warm and settled, and the plants given sufficient room to develop their full beauty. Pkt. 10c.,  $\frac{1}{4}$  oz. 25c.

**39. CERASTIUM tomentosum** (Snow-in-summer). Dwarf, whiteleaved edging plant; flowers white. Pkt. 10c., oz. 40c.

**40. CHRYSANTHEMUM** (Painted Daisies). Plants 2 ft. high, bearing in profusion, large, daisylike flowers on good stems, and quite distinct from the hardy perennial and Autumn-flowering varieties. Mixed colors. Single or double. Each, pkt. 10c., oz. 50c.

**41. CINERARIA.** One of the most ornamental and useful plants for conservatory and house decorations. Mixed. Pkt. 60c. and \$1.00.

**42. CLARKIA** One of the prettiest and showiest hardy annuals. The plants bloom so freely and have flowers of such various bright colors that a bed of them in full bloom is a beautiful sight. They are useful, too, for hanging baskets, for vases and as edging plants. Sow outdoors in early Spring and grow in partial shade. They bloom through Midsummer to late Autumn. Average height  $1\frac{1}{2}$  ft. Pkt. 10c.

**CASTOR OIL BEAN.** See *Ricinus*.

**43. CELOSIA cristata** (Crested Cockscomb). Very desirable annual of easy culture, large, comblike heads, excellent border plants, very good for pots. Mixed. Pkt. 10c., oz. \$1.00.

**44. Celosia plumosa** (Feathered Cockscomb). Very decorative plant for the garden. The feather plumes are excellent for cutting. Can also be cut and dried for Winter use. Mixed colors. Pkt. 10c., oz. 60c.

**45. CHINESE WOOLFLOWER** (*Celosia childsi*). This is a unique form of the Feathered Cockscomb, growing 2 to 3 ft. high, each branch terminated with a large head of flowers that look as if made out of some silky wool material. Not only effective in beds or borders, but highly interesting and valuable for cutting, as they can be dried and retain their bright color for weeks. Mixed or scarlet. Each, pkt. 10c.

**46. COBAEA scandens** (Cup-and-saucer Vine). Well known climber of rapid growth, producing large, bell-shaped blossoms; in sowing place the seeds edgewise, and merely cover with light soil. Pkt. 10c.

**47. COLEUS, Largeleaved Hybrids.** Popular bedding plant with beautifully colored foliage; easily grown from seed if kept in warm temperature. Pkt. 25c.

**CONVOLVULUS.** See *Morning-glory*.

**48. CYCLAMEN SEED.** Most beautiful Winter and Spring flowering plants for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental. Salmon pink, rose, bright pink, finest red, or all colors mixed. Each, pkt. 50c.; 100 seeds \$1.50.

CELOSIA PLUMOSA (*Feathered Cockscomb*)

**49. COSMOS, Late Variety.** Giant-flowering. An Autumn flowering plant. A charming profuse bloomer. Crimson, pink, white, and all colors mixed. Each, pkt. 10c., oz. 50c.

**50. Cosmos, Klondyke.** Same as above, but a clear orange yellow. Pkt. 10c., oz. \$1.00.

**51. Cosmos, Early Summer-flowering.** Coming into flower in July, continuing until frost. Can be grown in the North where the seasons are too short for other strains. Dwarf, compact growth 4 ft. Profuse bloomer. Flowers beautiful and large; petals broad; crimson, pink, white and all colors mixed. Each, pkt. 10c., oz. 50c.

**52. Cosmos, Double-crested.** Extra early flowering. This is an entirely new class of Cosmos, producing double-crested flowers of exceptional beauty. The grower does not claim that all plants have double flowers, but the fields show about 50 per cent; but the ones that do not show double are dreams of beauty. Pink, white, crimson, and mixed. Each, pkt. 10c.

**53. CYNOGLOSSUM** (Chinese Forget-me-not). An annual recently introduced from China: of the easiest culture, forming strong plants 18 to 24 in. high and producing through the Summer months sprays of intense blue Forget-me-not-like flowers, delicately sweet scented. A splendid addition to the comparatively short list of real blue flowers. Pkt. 10c.,  $\frac{1}{4}$  oz. 40c.

**54. CYPRESSVINE** (*Ipomoea quamoclit*). A very graceful annual climber, with feathery foliage and beautiful, starlike flowers. Scarlet, white, or mixed. Each, pkt. 10c., oz. 50c.

**DAHLIAS** (From Seed). There is no more fascinating flower to raise from seed than the Dahlia, for the results are a series of surprises.

**55. Dahlia, California Giants.** A selection from named varieties, grown by a celebrated producer in California. Pkt. 25c.

**56. Dahlia, Pompon.** A choice mixture from 15 leading and distinct varieties. Pkt. 25c.

**57. DIANTHUS** (China Pink) Single crimson, double white, double pink. Pkt. 10c.

**58. Dianthus, Sweet Wivelsfield.** A hybrid cross between Dianthus and Sweet-william. Seed started in January and planted out in April, will flower in May and bloom all Summer in a variety of colors. Pkt. 25c.

**59. Dianthus.** Single or double mixed. Each, pkt. 10c., oz. 75c.

**60. DIMORPHOTHECA aurantiaca** (African Orange Daisy). One of the showiest garden annuals; compact, bushy plants with orange gold, daisylike blooms on long stems. Pkt. 10c.

**61. Dimorphothea aurantiaca hybrida.** A splendid mixture of colors and shades. Pkt. 10c.

**62. DIDISCUS** (Laceflower). This pretty and interesting annual blooms most profusely from July till November; their exquisite pale lavender blossoms are excellent for cutting. Plants grow about 18 in. high, and have as many as 50 flowers open at one time. Pkt. 10c.

**63. DOLICHOS** (Hyacinth-bean, or Texas Climber). Showy climber, making rapid growth. White, purple, or mixed. Each, pkt. 10c., oz. 25c.

**64. ESCHSCHOLTZIA** (California Poppy). An elegant hardy annual with fine cut foliage and large, poppylike flowers; blooms from June till frost; fine for borders or large beds. Choice mixed. Pkt. 10c., oz. 30c.

DIMORPHOTHECA AURANTIACA (*African Orange Daisy*)

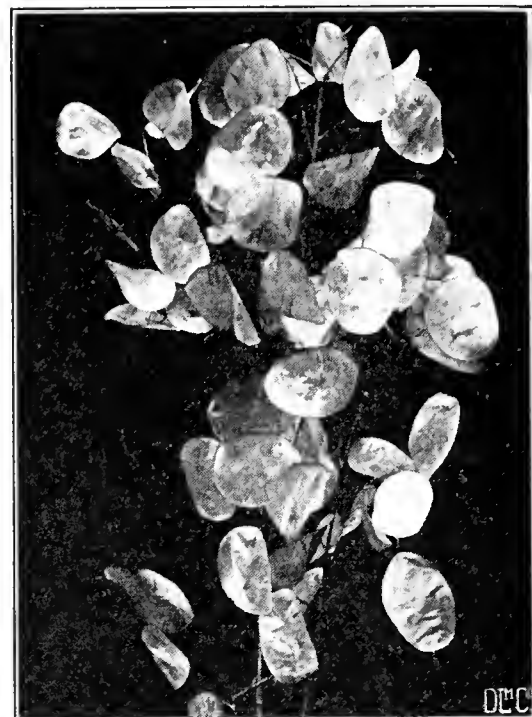




HUNNEMANNIA (*Giant Yellow Tulip Poppy*)



GAILLARDIA (*Blanketflower*)



HONESTY

**65. EUPHORBIA** (Snow-on-the-mountain). Plants with ornamental foliage, very showy and easily raised from seed. Pkt. 10c., oz. 60c.

**66. Euphorbia heterophylla** (Fire-on-the-mountain). Also called Summer Poinsettia. Pkt. 10c.

**EVERLASTING or STRAWFLOWERS.** See *Helichrysum*, *Acroclinium*, *Rhodanthe*, *Statice*.

**67. FEVERFEW.** Hardy annual; for bedding or pot culture; white flowers. Pkt. 10c., oz. 75c.

**FOUR O'CLOCK.** See *Marvel of Peru*. **FOXGLOVE.** See *Digitalis*.

**68. GAILLARDIA** (Blanketflower). One of the best garden flowers, excellent for cutting. The large, highly-colored, Daisylike flowers appear continually during the season. Pkt. 10c., oz. 60c.

**69. GODETIA** (Satin Flower). Beautiful and easily grown, producing a profusion of flowers, satiny texture. Pkt. 10c.

**70. GERANIUM zonale.** Mixed; largest and finest varieties. Pkt. 10c.

**71. GOURDS** (Dishcloth or Luffa). Nest Egg, Hercules-club, Pear Shape, Mockorange, Sugar Trough, Calabash, or Pipe Gourd, Thermos Bottle, Chinese Lantern, Dipper, and Apple; also a general mixture. Rapid climbers. State kind wanted. Each, pkt. 10c., oz. 40c.

**72. GYPSOPHILA** (Babysbreath). Pretty free-flowering plants of easy culture; excellent for cutting to mix with other flowers. White and carmine. 2 ft. Pkt. 10c., oz. 50c.

**HELIANTHUS.** See *Sunflower*.

**73. HELIOTROPE.** A well known and highly prized plant on account of the delightful fragrance of the flowers. Excellent for pots or beds. Lavender and mixed. Pkt. 10c. and 25c.

**74. HELICHRYSUM** (Strawflower). One of the best and most popular of the everlasting flowers. Valuable for cutting or decoration, either when fresh or dried. Mixed colors. Pkt. 10c., oz. 50c.

**75. HUMULUS** (Japanese Hop). A rapid growing annual climber with luxuriant foliage; excellent for covering trellises and verandas. Pkt. 10c., oz. 50c.

**76. HUNNEMANNIA** (Giant Yellow Tulip Poppy). Sown outdoors in May it produces large quantities of giant yellow, Tulip-like flowers during end of August, continuing for the balance of the season; the foliage resembles *Eschscholtzia*; height 2½ ft. Pkt. 10c.

**77. HOLLYHOCK, Single.** Annual Mixed colors. Pkt. 10c.

**78. HONESTY.** 2 ft. Hardy biennial, admired for its silvery seed pods which are used for ornamental purposes. Beautiful and curious mixed colors. Pkt. 10c.

**HYACINTH-BEAN.** See *Dolichos*.

**IPOMOEA.** See *Moonflower*.

**79. ICEPLANT.** Beautiful dwarf edging plants; flowers profusely in dry and sunny situations. Fine for pots. Covered with watery vesicles resembling pieces of ice. Pkt. 10c.

**80. JERUSALEM-CHERRY** (*Solanum*). Indoor pot culture. Pkt. 25c.

**81. KOCHIA** (Summer Cypress, or Mexican Fire Bush). An easily grown annual, which grows into a Cypresslike hedge, with feathery green foliage; at the approach of Autumn the foliage turns to a deep red color. 2 to 3 ft. Pkt. 10c., oz. 40c.

**LACEFLOWER.** See *Didiscus*.



MARIGOLD, ORANGE PRINCE

**82. LANTANA.** Most desirable bedding plant; seeds are best germinated in a greenhouse from January till March. Flowers resemble *Verbenas*; plants bloom all Summer. Red and orange shades, mixed. Pkt. 10c., ¼ oz. 30c.

**83. LUPINUS.** Very desirable garden plants, showy, excellent for cutting. Graceful spikes, 2 ft., in various shades of white, blue, pink and mixed. Each, pkt. 10c., oz. 60c.

**84. LARKSPUR or ANNUAL DELPHINIUM** (Hollyhock Strain). Splendid annuals of easy culture. When sown early in Spring will produce blooming plants in July. White, blue, pink, and mixed. Each, pkt. 10c., oz. 75c.

**85. LOBELIA, Crystal Palace.** No garden is complete without an edging of blue Lobelias. Very desirable for pots and hanging baskets. Pkt. 10c.

**MARIGOLD.** These are old favorite, free-flowering annuals with rich, showy flowers blooming all Summer. French Dwarf, African Tall.

**86. Marigold, French-Legion of Honor,** single; **Golden Yellow**, marked crimson at base of petal; **Golden Ball**, double; **Lemon Ball**; **Mahogany**, rich velvety mahogany brown. Each, pkt. 10c., oz. 60c.

**87. Marigold, French.** All colors mixed. Pkt. 10c., oz. 60c.

**88. Marigold, African Tall. Lemon Queen.** Soft lemon yellow. **Orange Prince.** Golden orange. Each, pkt. 10c., oz. \$1.00.

**89. Marigold, African.** All colors mixed. Pkt. 10c., oz. 75c.

**90. Marigold, Guinea Gold.** A distinct type of Marigold; of graceful, pyramidal habit, growing 2 to 2½ ft. high; flowers semi-double, 2 to 2½ in. across. Wavy petals of a brilliant shade of orange and gold. Pkt. 15c., 2 pkts. 25c.

**91. MARVEL OF PERU** (Four-o'clock). Bushy plants of easy culture, producing hundreds of flowers during the entire Summer; very showy; 2 ft. Pkt. 10c., oz. 30c.

**92. MESEMBRYANTHEMUM, Tricolor.** A lovely little annual; splendid for the rockery, sunny bank, etc., with Daisy-like flowers showing a black disc in the center, which is surrounded with white ending into a brilliant scarlet. Pkt. 10c.

**93. MIGNONETTE, Golden Machet.** Valuable for cutting on account of its fragrance. Sow in succession during the whole Summer; may also be forced in greenhouses during Winter. Large, reddish tinted, sweet scented flowers. Pkt. 10c., oz. 75c.

**94. MIMULUS tigrinus** (Monkeyflower). Showy, profuse flowering plants; fine for greenhouses or moist, shady situations; 1 ft. Pkt. 10c.

**95. Mimulus moschatus** (Muskplant). Pkt. 10c.

**MOMORDICA.** See **Balsamapple**.

**96. MOONFLOWER** (*Ipomoea noctiflora*). Climber. At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers and heavenly blue. Each, pkt. 10c., oz. 75c.

**97. IMPERIAL JAPANESE MORNING-GLORIES.** These are beyond question the handsomest of all Morning-glories. Of the easiest culture, can be sown in the open ground in a sunny situation when the weather has become warm and settled; they soon cover a large area, and even before flowering are decidedly interesting on account of the varied forms of the foliage and their markings. The flowers are of gigantic size and their colorings beyond description; the self or solid colors range from snow white to black purple, with all the possible intermediate shades; there is also an endless number having flowers spotted, marbled, striped, flaked, splashed. Pkt. 10c., oz. 25c.

**MOURNING BRIDE.** See **Scabiosa**.

**98. NICOTIANA.** Splendid, showy flowers on long, terminal tubes. It is so fragrant that a small bed will perfume the surrounding atmosphere. White, purple, and mixed colors. Each, pkt. 10c.

**NIGELLA** (Love-in-a-mist). Pretty plants, with finely cut green foliage and curious looking flowers and seed pods.

**99. Nigella damascena.** Blue and white mixed; double; 1 ft. Pkt. 10c.

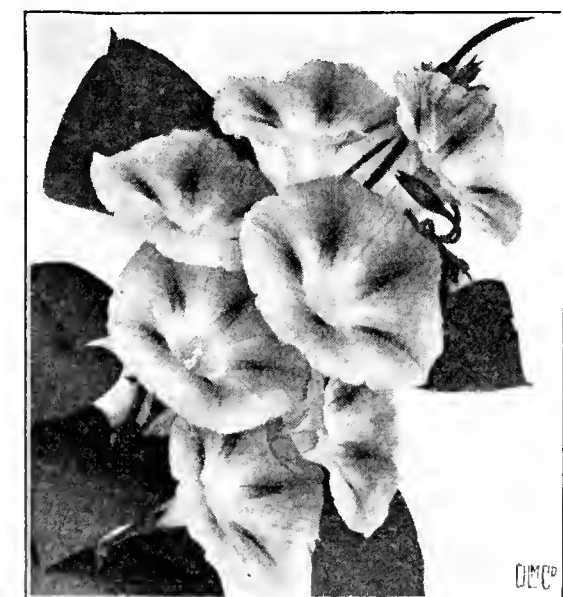
**100. Nigella, Miss Jekyll.** Beautiful double flowers of a clear Cornflower blue; good for cutting. 18 in. Pkt. 10c.

**101. OENOTHERA** (Evening-primrose). Beautiful, low growing plant, producing large, silvery white rose and yellow flowers. They thrive best in a sunny position, but succeed in almost any situation or soil. Annual varieties, all colors, mixed. Pkt. 10c.

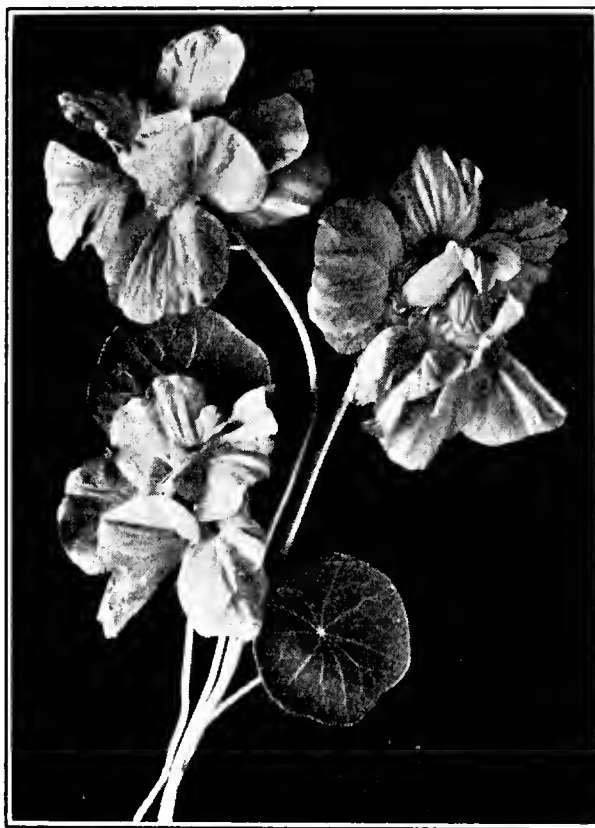
Gentlemen:—

The Summer over and the harvesting season gone I find time to write you about my great joy and satisfaction I derived from your seeds. After experimenting for years with all kinds of specialties and so-called "Bargain" seeds I finally decided to do my seed buying at home and purchased every bit of garden and flower seed, as well as my plants, from your firm, and lo and behold, I had one of the finest gardens ever.

Yours very truly,  
Wm. C. H. Ungerer,  
Glenburnie, Md.



IMPERIAL JAPANESE MORNING GLORIES



NASTURTium GOLDEN GLEAM

## M.-S. GIANT-FLOWERING NASTURTiums

Nasturtiums are among the best known and most popular of hardy annuals, and within the past few years have been greatly improved in size as well as in colors and markings. Easily grown, and producing a great profusion of brightly colored flowers from within a few weeks after they are sown until they are killed by frost; they succeed best in rather light, well drained soil.

### 102. GOLDEN GLEAM

A new flower—1932 novelty. It is a double, very fragrant Nasturtium. The plant forms a vigorous, large bush which throws out short runners, averaging 18 in. The flowers commence to come as soon as the plant nears complete development, and at the time it is in full bloom the entire plant, including the runners, is a blaze of color. The large, golden yellow flowers average 2½ to 3 in. across. They are borne on erect, stiff stems 6 in. in length. Consequently the flowers stand well above the foliage, an arrangement which adds immeasurably to the showy appearance of the plant.

When well grown these flowers have the appearance of a fully double flower, and are most attractive. An ordinary sized bouquet, when allowed to remain in a room for a short period of time, will fill the room with fragrance. Pkt. 10c., oz. 50c.

### NASTURTiums, DWARF VARIETIES

**103. Vesuvius.** Salmon rose. These have a neat, compact habit and attractive foliage, are not disturbed by insects, bloom most profusely the whole season.

**104. Chameleon.** Produces various colors and markings on the same plant.

**105. Empress of India.** Dark-leaved, velvety dark scarlet flowers; select flowers.

Prices on all the above varieties:  
Pkt. 10c., oz. 20c., ¼ lb. 60c.

**V. 122. M.-S. Fancy Giant-flowering Mixed Dwarf.** Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. \$1.00.

Our Nasturtiums are noted for their size, variety and brilliancy.

### NASTURTium, TALL VARIETIES

**106. King Theodore.** Purple dark foliage. Pkt. 10c., oz. 20c., ¼ lb. 60c.

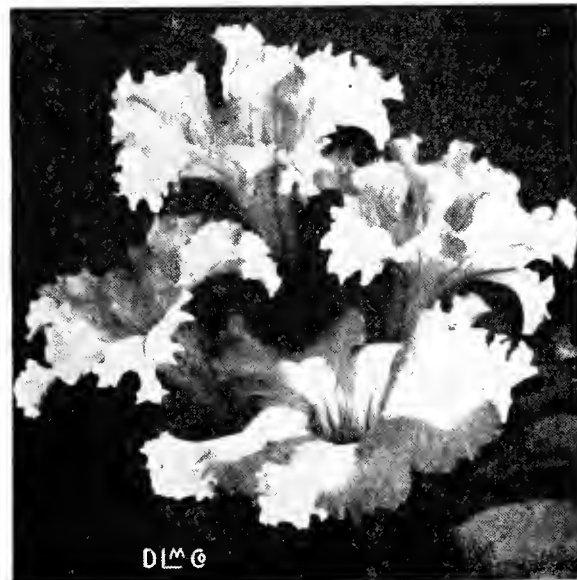
**V. 105. M.-S. Tall Nasturtium, Mixed Colors.** For covering trellises, fences, arbors, piazzas, or trailing from vases, urns, etc. Bloom from early Summer until frost. Pkt. 10c., oz. 15c., ¼ lb. 35c., lb. \$1.00.

### PETUNIAS

The Petunia is without a peer among annuals for effective Summer bedding or indoor culture. It is of easy culture, early to blossom and continues throughout the Summer until the first killing frost. No other flower produces greater diversity of color, retaining its freshness for so long a period.

**107. Superbissima, Giants of California.** Fringed and ruffled single. The best strain of giant, pot-grown Petunia, all selected from the finest new colors; hand pollinized and glasshouse grown. Fine for potting. Pkts. 25c. and 50c.

**108. Grandiflora, Double Fringed Mixed.** Selected and hybridized with the greatest care. Flowers large size, beautifully fringed and embracing the choicest colors. When transplanting Double Petunia it is very important to plant also the very smallest plants, as these as a rule produce the best double flowers. Pkt. 50c., 500 seeds \$1.50.



PETUNIA SUPERBISSIMA, GIANTS OF CALIFORNIA

### PETUNIAS, BEDDING AND WINDOW BOX VARIETIES

**109. M.-S. Fine Bedding Petunia.** Very fine. Striped, blotched and all colors mixed. Pkt. 10c., oz. \$1.50.

**110. Elk's Pride.** Large size, deep royal purple. Pkts. 25c. and 75c.

**111. Snowball.** Pure white. Pkt. 10c., oz. \$1.75.

**112. Rosy Morn.** Pink. Pkt. 10c., oz. \$2.00.

**113. Heavenly Blue.** Silvery blue. Pkt. 25c., ¼ oz. \$1.00.



BEDDING PETUNIAS, ROSY MORN



**BEDDING PETUNIAS—Continued**

**114. Howard's Star.** A beautiful variety; produces a profusion of crimson maroon flowers, each having a distinctive five-pointed white star. Single. Pkt. 10c., oz. \$1.50.

**115. General Dodd.** A rich, velvety red; a splendid bedding variety. Pkt. 10c.

**116. BALCONY PETUNIAS.** A splendid free flowering type for window or porch boxes, vases, etc.; also valuable for bedding, giving a display of flowers throughout the entire Summer until frost; the flowers are large, averaging 3 in. across. Blue, red, rose, white, and mixed colors. Each, pkt. 10c. and 40c.

**SINGLE and DOUBLE POPPIES**

A great advance has been made in recent years in the development of the Poppy which has brought it into deserved popularity, and it may be safely said that no other flower produces a more brilliant display of color during the blooming period. Annual Poppies should be sown as early in the Spring as possible where they are to remain, as they do not stand transplanting. If constant blossoms are desired, successive sowings should be made every two weeks.

**SINGLE POPPIES**

**117. M.-S. Shirley Poppies.** A bed of these Poppies produces a gorgeous effect in the garden; large flowers with brilliant colors. Pkt. 10c., oz. 25c.

**117a. Flanders Poppy.** This is the well known Poppy of Flanders field so often mentioned in songs and stories of the great War. Medium size, bright scarlet flowers. Very showy when planted in masses. Pkt. 10c., oz. 40c.

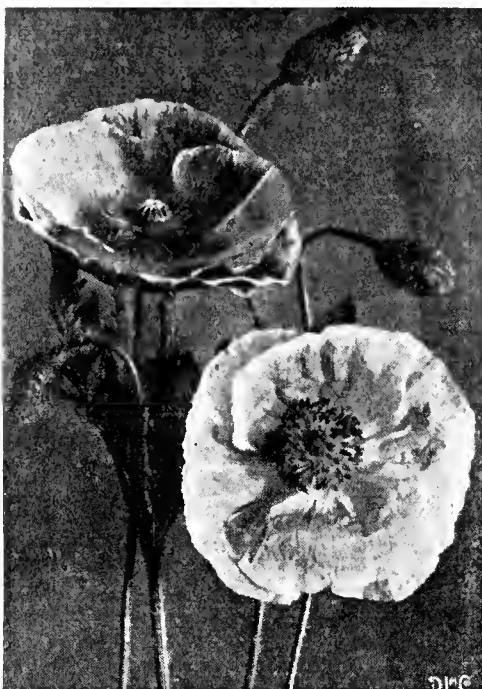
**DOUBLE POPPIES**

**118. Double-flowered Mixed Poppies.** Immense double flowers, resembling a Peony; 2 ft. Pkt. 10c., oz. 30c.

**YELLOW TULIP POPPY.** See **Hunne-  
mannia.**

**119. PORTULACA, Single** (Mexican Rose). Brilliant hardy annual, of easy culture; excellent for massing in beds or rock work; thriving best in a light, sandy soil and a sunny situation; flowers of the brightest colors. Pkt. 10c., oz. 75c.

**120. Portulaca, Double.** Pkt. 10c., oz. \$2.00.



SHIRLEY POPPIES



DOUBLE FLOWERED POPPIES

**121. PHLOX drummondii.** Easily grown from seed; makes a brilliant display as a Summer bedding plant. White, pink, scarlet, lavender, and all colors mixed. Each, pkt. 10c., oz. \$1.50.

**122. Phlox drummondii, Dwarf Cecily.** 8 in. For rock gardens. Large flowering; mixed colors. Pkt. 10c.

**123. RHODANTHE.** Very beautiful; delicate looking; everlasting. Much prized for Winter bouquets. Red and white and both colors mixed. Each, pkt. 10c.

**RICINUS (Castor Oil Bean)**

One of our best ornament-leaved annual plants, largely used for the center beds, being splendidly effective grouped with Cannas, Caladiums and other tall plants.

**124. New Ricinus or Castor Oil Plant, "Red Spire."** The shapely bushy plants attain a height of about 6 ft., with pretty, palmate leaves of a bronzy green with prominent red ribs and veins, and producing through the Summer and Autumn numerous spikes of flowers or seed pods 9 to 18 in. long, of a brilliant rosy crimson; altogether a most effective semi-tropical plant, valuable alike for its foliage and flowers, and like other Ricinus, absolutely insect-proof. As single specimens or in beds on the lawn, for filling up a corner, or making a hedge or line, this is one of the most ornamental plants ever introduced. Pkt. 10c., oz. 40c.

**125. Ricinus zanzibariensis.** Enormous leaves, varying in color from light green to purplish red. 12 ft. Pkt. 10c., oz. 25c.

**126. Ricinus Gibsoni.** Plants attain great dimensions, 12 to 14 ft. Leaves a beautiful blood red. Pkt. 10c., oz. 25c.

**127. M.-S. Ricinus Mixture.** Appreciating fully the splendid effects that a fine array of these desirable foliage plants will make in your garden, we have composed a mixture that for elegant blending is unsurpassed. Pkt. 10c., oz. 20c.

Gentlemen:

*The Nasturtiums seed which I purchased from you this season was the most wonderful I have ever seen.*

*Yours very truly,*

*Miss Jean Rumsey,  
Upper Falls, Md.*



SCABIOSA (Mourning Bride)



SALPIGLOSSIS (Painted Tongue)

All Flower Seeds 10c. per pkt., unless otherwise noted—Postpaid



**133. SCARLET RUNNER.** Ornamental and useful climbing Beans. Pkt. 10c., oz. 15c.

**134. SENSITIVEPLANT** (Mimosa). A curious and interesting, half hardy annual, with pinkish flowers; leaves close when touched; 1½ ft. high. Pkt. 10c.

**135. SMILAX.** A well known greenhouse climber, with small, dark green foliage; of great value in floral work. Pkt. 10c., oz. 75c.

**136. SCHIZANTHUS** (Butterfly or Fringed Flower). Pkt. 10c.

**137. STATICE.** These have become quite popular, the flowers being used extensively by many of the leading florists, the seeds are supplied in the dried flower heads which may be started indoors or sown in the open when the weather gets warm, in any case, in order to secure satisfactory germination the flower heads should be placed in the soil on their sides; 18 in. Bright yellow, bright rose, rich blue, white, or all colors mixed. Each, pkt. 10c.

**138. STOCK.** Half hardy annual; fine for cutting, bedding or edging, also pot culture. Average 1 to 1½ ft. White, pink, yellow, crimson, light blue, dark blue, or all colors mixed. Each, pkt. 10c.

**STRAWFLOWER.** See *Helichrysum*.

## SUNFLOWER (*Helianthus*)

Well known annuals, the small flowering sorts being useful for cutting; the tall varieties are valuable for backgrounds.

### SMALL-FLOWERED SORTS

**139. Cucumerifolius** (Miniature Sunflower). Small, single, rich yellow flowers. Abundant bloomer; 4 ft. Pkt. 10c., oz. 40c.

**140. Dwarf Double** (Globe of Gold). Yellow flowers; 3 ft. Pkt. 10c., oz. 30c.

**141. New Red.** Extra large flowers, some of which are rich chestnut red, others tipped with yellow. Pkt. 10c., oz. 60c.

**142. Russian Mammoth.** Immense single yellow flowers on tall, heavy stalks; 6 ft. Pkt. 10c., oz. 15c.

**143. SHAMROCK.** Makes dainty little house plants. Easily grown from seed. **True Irish.** Small leaved variety. Pkt. 10c.

**144. STEVIA serrata.** Free blooming plants for Summer or Winter, bearing a profusion of fragrant, white flowers. Fine for cutting; 2 ft. Pkt. 10c., large pkt. 30c.

**145. THUNBERGIA** (Black-eyed-susan). Beautiful; very ornamental climber. Pkt. 10c.

**146. VERBENA.** Dwarf bedding plants for a gorgeous display during the Summer months; cannot be excelled. Commencing to flower in July and continuing until frost. Our Mammoth Fancy Strain cannot be surpassed for profusion of bloom and beautiful colors and shades. M.-S. Fancy white, scarlet, blue, pink, and all colors mixed. When ordering, state color wanted. Each, pkt. 10c., oz. \$1.50.

**147. VINCA** (Madagascar Periwinkle). Dwarf bedding plants with deep green, glossy foliage and bright, single blossoms of striking beauty. Sow early. White with pink eye, white, pink, and all colors mixed. Pkt. 10c.

## MIXED FLOWER SEEDS FOR WILD GARDEN

This mixture embraces a large number of varieties of easy growing, beautiful and interesting annual flowers, which will furnish a profusion of bloom throughout the entire Summer and Autumn; many of the varieties will be found useful for cutting.

**148. Tall Sorts.** Pkt. 10c., oz. 25c., ¼ lb. 60c., lb. \$2.00.

**149. Dwarf Sorts.** Growing from 12 to 18 in. high. Pkt. 10c., oz. 40c., ¼ lb. \$1.25, lb. \$4.00.

# M.S. SELECT SWEET PEAS

For Sweet Pea Inoculation, see page 26.  
All Sweet Peas Postpaid

## HOW TO GROW SWEET PEAS

Use 1 oz. of seed to 25 ft. of row.

The soil for Sweet Peas should be rich and deep. A good rich loam with plenty of well rotted manure in it, is the ideal soil for raising good plants that will produce plenty of blooms of good substance. Considerable benefit has been noted from the use of Inoculating Culture. We can supply a special culture for Sweet Peas for 25c.—enough for any ordinary garden. They should be in a position fully exposed to the sunlight and air on both sides of row.

They should be sown as early in the season as the ground can be worked, which is usually between the middle of March and the middle of April in the latitude of Baltimore. It is best to make a trench or furrow about 6 in. deep, in the bottom of which sow the seed. Cover with about an inch of soil, pressing it down firmly. As soon as they are above ground thin out to 2 to 4 in. apart; when planted too close they do not attain their full development. They should be staked up either with branches of brush or stout stakes on which wire netting has been fastened. These should be at least 4 ft. high, and 5 ft. would be better. The flowers should be cut as often as possible to prevent the plants from running to seed, which would stop them from continuing in bloom.

## M.-S. SUPERB SPENCER SWEET PEAS

**V 123. M.-S. Superb Spencer Sweet Pea Mixture.** This superb mixture is blended by us with extraordinary care from named varieties of the most improved large flowering type, including recent American and European novelties, as well as a great many new hybrids, as yet unnamed, insuring gorgeous color effect. Pkt. 10c., oz. 15c., ¼ lb. 50c., lb. \$1.50.

### SEPARATE COLORS

**167. Avalanche.** Glistening large pure white.

**168. Austin Frederick Improved.** A beautiful, pure lavender.

**169. Majestic Cream.** This is a fine, rich deep cream.

**170. Pinkie.** Pinkie is a glorious rich, rose pink.

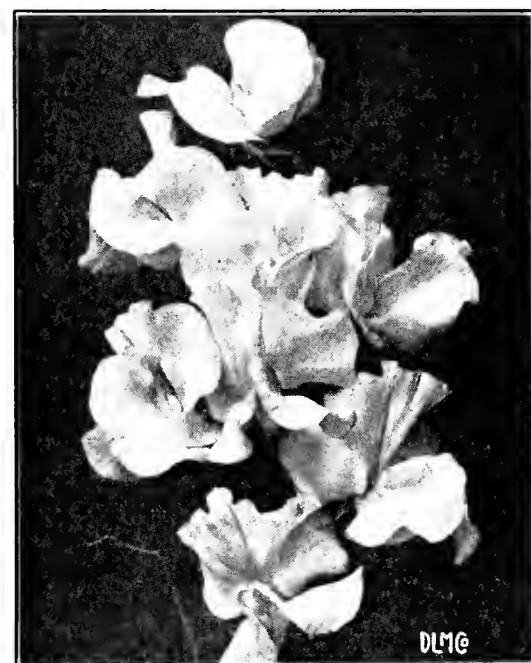
**171. Reflection.** Reflection is the best clear blue Sweet Pea.

**172. Mrs. A. Searles.** A delightful salmon cerise pink.

**173. Sybil Henshaw.** The largest crimson red.

**174. Warrior.** Giant maroon.

Price on all the above. Each: Pkt. 10c., oz. 25c., ¼ lb. 75c., lb. \$2.50.



M.-S. WINTER-FLOWERING SPENCER SWEET PEAS

## M.-S. WINTER-FLOWERING SPENCER SWEET PEAS

While these are especially adapted for forcing under glass for Winter and early Spring blooming, they are also valuable for outdoor culture, coming into bloom five or six weeks earlier than the regular Spencer or Orchid-flowered type, and if the flowers are kept cut, they will continue to bloom for a long time.

**175. Mrs. Kerr.** Salmon overlaid orange.

**175a. Aviator.** Large crimson scarlet.

**176. Ball's Rose.** Deep pink.

**177. Ball's Blue.** Clear blue.

**178. Lavender King.** Clear lavender.

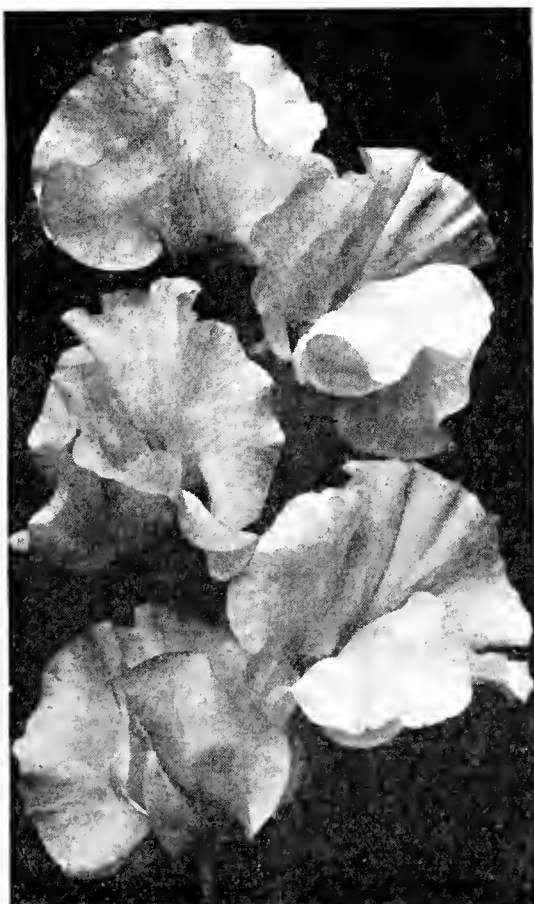
**179. Jeanne Mamitsch.** Rose pink.

**180. White Harmony.** Best white.

All the above, or all colors mixed.

Each: Pkt. 10c., ½ oz. 30c., oz. 60c.

**HARDY SWEET PEAS.** See No. 217.



IMPERIAL JAPANESE MORNING GLORIES

# M.-S. ZINNIAS

(YOUTH AND OLD AGE)

One of the most showy and satisfactory of our hardy annuals for beds, mixed borders and for cutting purposes. Easy to grow in any good garden soil. They commence flowering early in the Summer and continue until frost.

## M.-S. GIANT DAHLIA-FLOWERED ZINNIAS

Plants of vigorous habit, from 2½ to 3 ft. high; mammoth flowers 4 to 6 in. across and 2½ to 3 in. deep and so closely resembling decorative Dahlias that when placed by their side, it is difficult to distinguish one from the other. This new type is also valuable for growing under glass for cutting.

**150. Canary Bird.** Canary yellow.

**151. Crimson Monarch.** By far the largest and best of the red shades; plants very vigorous.

**152. Dream.** A fine, deep lavender turning to purple; a new, desirable shade in Zinnias.

**153. Exquisite.** One of the most pleasing in the collection; truly Dahlia-flowered as regards form and size; color, light rose, with deep rose center.

**154. Golden State.** A very rich orange yellow; yellow in the bud, turning to an attractive orange when in full bloom.

**155. Purple Prince.** A fine, deep purple, large and well formed.

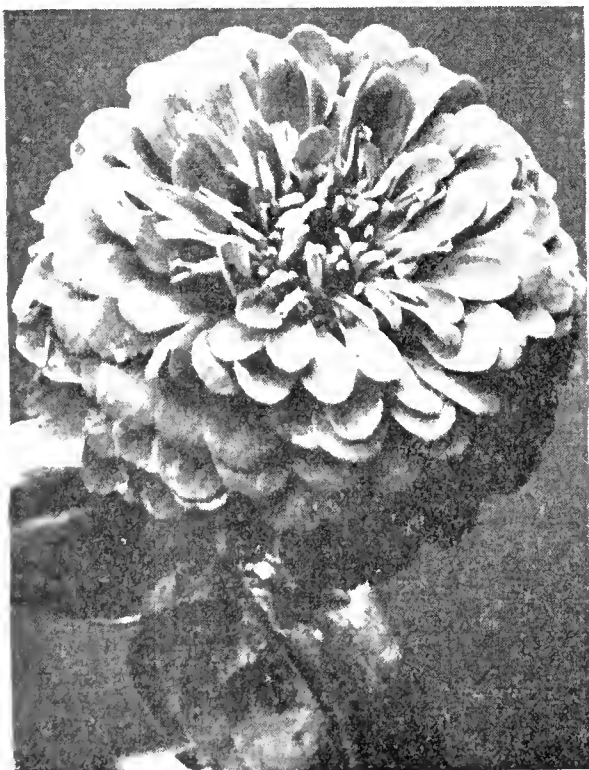
**156. Oriole.** One of the most beautiful of its class; an immense orange and gold bi-color, changing slightly as it ages, but at all times worthy of the beautiful bird for which it was named.

**157. Polar Bear.** A very large pure white; the best white yet seen in Zinnias.

Above varieties: Each, pkt. 10c., ⅛ oz. 25c., ¼ oz. 40c., oz. \$1.50

**COLLECTION. 1 pkt. each of the 8 above sorts, 65c.**

**158. FINEST MIXED D. F.** Containing a wonderful range of beautiful colors. Pkt. 10c., 3 for 25c.; oz. \$1.25.



ORIOLE



GIANT DAHLIA FLOWERED ZINNIAS

**159. ZINNIA SCABIOSA FLOWERING** (1932 Novelty). This new Zinnia is entirely different to all other Zinnias. The plant reaches a height of 40 in. and flowers profusely. Its outstanding feature consists in the formation of the flower forming an outer ring of long petals, whereas the center shows many small flowers which at first sight have a great likeness with the Scabiosa. Mixed colors. Pkt. 15c.

**160. ZINNIA, DOUBLE ROBUSTA, NANA ROSEA** (1932 Novelty). A beautiful little Zinnia growing only 16 in. in height and of very compact habit, covered with a mass of large, double pink flowers. This is a valuable addition in Zinnias. Pkt. 15c.

**161. DWARF DOUBLE ZINNIAS.** Compact bushes not over 2 ft. in height; double flowers, all of the largest size, making them of great value in large beds, borders, etc.; grown under favorable conditions, they remain in bloom from early Summer to late Autumn. We offer this seed in a splendid mixture. Pkt. 10c., oz. 50c.

**162. ROBUSTA or GIANT DOUBLE ZINNIAS.** Plants grow to a height of 2½ to 3 ft. with immense, perfectly double flowers; splendid for cutting or garden effect. Pkt. 10c., oz. 50c.

**163. ROBUSTA or GIANT DOUBLE ROSE KING.** A beautiful carmine rose. Pkt. 10c., oz. 50c.

## NOVELTY ZINNIAS

No. 159. Scabiosa-flowering. Pkt. 15c.

No. 160. Double Robusta Nana Rosea. Pkt. 15c.

### SPECIAL OFFER.

1 pkt. of each, 25c.

Give them a trial—they will surprise you

**164. DOUBLE LILLIPUT or POMPON ZINNIAS.** A very pretty type of compact habit not over 15 in. high, bearing in lavish profusion, small, densely double flowers on long stems, held well above the foliage. Makes a good border or bed and are of more than usual value for cutting. Yellow, salmon, rose, red, white, and all colors mixed. Each, pkt. 10c., oz. \$1.00.; a pkt. of each color, 40c.

**165. CURLED AND CRESTED ZINNIA.** The petals of this beautiful strain are twisted, curled and crested into the most fantastic and graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnia. Pkt. 10c., oz. 75c.

**166. M.-S. PICOTEE TYPE ZINNIA.** This exquisite new Zinnia, the flowers of which are not quite as large as the double giants, are very effective in appearance, as the edges of the petals are all well marked with a distinct color to the body of the flower, making them very attractive as bedders and cut flowers. Pkt. 10c., oz. \$1.00.



GIANT DOUBLE ZINNIAS





BORDER PLANTING OF PERENNIALS

## ALL FOLLOWING ARE PERENNIALS

PERENNIAL PLANT CATALOG  
describing height of plant, period  
and color of bloom, ON REQUEST

Pkt. 10c., unless otherwise noted

### CULTURAL DIRECTIONS FOR SOWING HARDY PERENNIAL FLOWER SEEDS

Perennial seed may be sown outdoors from May until September. A good, finely sifted soil, should be used, to which add some sand and granulated peat moss. It is absolutely necessary that a shaded location be selected, or if sown in a coldframe lath coverings or sash covered with burlap should be used. The soil must be kept moist at all times, therefore we deem it advisable to sow in this manner. If the soil should become dry for only a short period the seed would be destroyed.

A common mistake in sowing flower seeds is covering too deeply; as a general rule cover only to a depth of the thickness of the seeds.

Some seeds are of much slower germination than others, therefore it is wise not to be impatient. For instance, Hardy Primulas will often lie dormant in the ground for six months to a year; Columbines and other varieties of a like nature, two to three months. As soon as the plants are large enough to handle they should be transplanted to the permanent location in the perennial border or nursery rows.

**181. ANCHUSA italica, Dropmore.** 3 to 5 ft. high. Blooms May and June. Rich gentian blue. Pkt. 10c.

**182. ANTHEMIS** (Hardy Marguerite). A handsome, hardy perennial, bearing all Summer, Daisylike bright yellow flowers. Excellent for cutting. 2 ft. Pkt. 10c.

**183. ACONITUM** (Monkshood). Pkt. 10c.

**184. ALYSSUM saxatile (Yellow)** (Basket of Gold). For rock gardens. Pkt. 10c.

**185. ANEMONE coronaria.** Anemones are easily grown from seed, bloom early, when good cut flowers are scarce, and are perfectly hardy. Pkt. 10c.

**185a. ANEMONE pulsatilla.** Blue, or rock garden. Pkt. 10c.

**186. ARABIS** (Rockcress). Early Spring-flowering plants, especially adapted for edging and rockery; 6 in. high. Pure white blossom; flowers in May. Pkt. 10c.

**187. PERENNIAL ASTER** (Michaelmas Daisy). Pkt. 10c.

**188. ANTIRRHINUM** (Snapdragon). Semi-dwarf, 18 in. high, large flowers; excellent for bedding. To have flowers early, sow indoors during February and March. **Prima Donna**, apricot pink; **Fawn**, pink suffused yellow; **Golden Queen**, golden yellow; **Flame**, rich red; **Purity**, white; **Peerless**, pink; and all colors mixed. Each, pkt. 10c., oz. \$1.00.

**189. CAMPANULA medium** (Canterbury-bell). These are strictly biennials and require the following cultural directions. Sow from June 1st till September 1st; when strong enough, transplant to a distance of 6 in. apart; after frost has set in, protect with leaves and straw. They flower the following



CAMPANULA MEDIUM (Canterbury-bells)

June, after which they die. Their colors are so pure that gorgeous effects can be achieved with them. Single Cup-and-saucer blue, pink, white, or mixed, and double mixed. Each, pkt. 10c.

**190. CANDYTUFT, PERENNIAL** (Iberis). White and pink. Each, pkt. 10c., 1/4 oz. 80c.

**191. CHINESE LANTERN PLANT.** An ornamental plant, forming dense bushes about 2 ft. high, producing freely its bright orange scarlet, lanternlike fruits, which can be cut and dried for Winter bouquets; highly interesting. Pkt. 10c.

**192. CHEIRANTHUS allioni** (Siberian Wallflower). A biennial; brilliant orange flowers; 1 ft. For rock garden. Pkt. 10c.

**193. COREOPSIS lanceolata grandiflora.** A hardy perennial bearing a profuse and long-continued succession of large, bold, golden yellow flowers during the whole Summer months. Seed sown in March will flower the same season. Height 2 1/2 ft. Pkt. 10c.

**194. COLUMBINE, or AQUILEGIA.** A most desirable border plant. It forms large clumps, blooms early, long and abundantly, is useful for cutting and elegant in habit. Sow seed in the open ground in Spring, preferably where the plants are to grow, and thin to about a foot apart. Sow in the Fall for flowering the following season. They thrive well under ordinary garden culture. Few hardy perennials are so easily grown from seed, and will give such satisfaction. Yellow red-spurred, old rose yellow-spurred, blue shades, and mixed. Each, pkt. 10c.

**195. DAISY, English Double** (Bellis perennis). Seed should be sown from June 1st until September, transplanted in the Fall, and they will flower the following Spring. If sown in the Spring they will flower in the Autumn; 4 in. White, pink, crimson, and mixed. Each, pkt. 10c.

**196. SHASTA DAISY.** Very large; white single flowers on long stems. Pkt. 10c.

All Flower Seeds 10c. per pkt., unless otherwise noted—Postpaid



**197. DELPHINIUM** (Hardy Perennial Larkspur). Highly prepossessing plants of stately appearance; of easiest culture, they are readily the most popular of all hardy plants. Their main season of bloom is in June, but if the flower spike is cut back promptly it will branch and flower all through Fall.

**Delphinium Bellamosum.** Deep blue Pkt. 10c.,  $\frac{1}{4}$  oz. \$1.00.

**Delphinium Belladonna.** Light blue. Pkt. 10c.,  $\frac{1}{4}$  oz. \$1.00.

**Delphinium.** White. Pkt. 10c.,  $\frac{1}{4}$  oz. 50c.

**Delphinium.** Deep scarlet. Pkt. 10c.,  $\frac{1}{4}$  oz. \$1.50.

**198. Delphinium, Kelway's Hybrid Mixed.** Pkt. 10c.

**199. Delphinium Hybrids, Double.** Pkt. 25c. and 50c.

**200. Delphinium, Imperial Giant.** From the famous Delphia Dell Gardens in the State of Washington. Growing very tall. Flowers single, double and triple in every known Delphinium color. Pkt. \$1.00.

**201. DIANTHUS plumarius** (Garden Pinks). These varieties are well adapted for beds and borders; delightful, refreshing, spicy odor; should be in every garden where cut flowers are wanted, and make a fine edging to a hardy border. Mixed. Pkt. 10c.,  $\frac{1}{4}$  oz. 40c.

**202. Dianthus latifolius atrococcineus.** Double scarlet; very free flowering; 1 ft. For rock garden. Pkt. 10c.

**203. DIGITALIS** (Foxglove). Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produces long spikes of beautiful, tubular-shaped flowers; 4 to 5 ft. Purple, rose, white, and all colors mixed. Each, pkt. 10c., oz. \$1.00.

**204. FLAX** (Linum). Bright blue flowers. 24 in. Pkt. 10c.

**205. GAILLARDIA.** If sown early will bloom first season. Mixed colors. Pkt. 10c., oz. 90c.

**206. GEUM.** Double flowers of intense orange scarlet; 2 ft. high; for sunny location.

**Mrs. Bradshaw**, double scarlet; **Lady Stratheden**, golden yellow. Each, pkt. 10c.

**207. GYPSOPHILA paniculata alba.** White. Pkt. 10c., oz. 75c.

**208. Gypsophila repens.** A fine trailing plant, covered with tiny white flowers; 8 in. For rock garden. Pkt. 10c.



DELPHINIUM HYBRIDS

**209. HIBISCUS** (Mallow). Bear showy flowers, are easily grown and should find a place in every garden. Mixed. 4 ft. Pkt. 10c.

**210. HEUCHERA sanguinea** (Coralbells, or Alumroot). Perennial. Spikes of vivid crimson flowers; excellent for cutting; 1 ft. For rock gardens. Pkt. 10c.

**211. HELIANTHEMUM mutabile** (Rock-, or Sunrose). A very pretty perennial for the rockery; completely covered with masses of bloom from July to September. Choice mixed varieties. 12 in. For rock garden. Pkt. 10c.



GEUM MRS. BRADSHAW

**212. HOLLYHOCK, Double.** Rose, white, salmon, maroon, yellow, Newport pink, crimson, and mixed colors. Each, pkt. 10c., oz. \$1.25.

**213. Hollyhock, Single.** Choice colors, mixed. Each, pkt. 10c., oz. \$1.25.

**214. HELIOPSIS pitcheriana** (Orange Sunflower). A handsome hardy perennial, producing an abundance of deep orange yellow flowers the entire Summer, excellent for cutting; 3 to 4 ft. Each, pkt. 10c.

**215. HELIANTHUS** (Dwarf Sunflower). Early flowering; yellow. Pkt. 10c.

**216. KUDZU VINE** (Pueraria thunbergiana). The Kudzu Vine comes from Japan, the land so productive of curious and ornamental flowers. It is a beautiful climber, remarkable for its great vigor of growth, and its handsome, purple flowers. The vine is extremely rapid and dense in growth, perfectly hardy, increasing in size and beauty year after year. Fine for arbors, verandas, etc. Pkt. 10c.

**217. LATHYRUS latifolius** (Perennial Sweet Pea). Showy, hardy climber; fine for covering walls and stumps. Free flowering. Pink, red, white, pearl and mixed colors. Each, pkt. 10c., oz. 75c.

**218. LYTHRUM roseum superbum** (Loosestrife). A fine hardy perennial, producing spikes of rosy pink flowers from July to September. 3 ft. Pkt. 10c.

**219. LUPINUS.** Hardy perennials of easy culture, with graceful spikes of pea-shaped flowers; May and June; 2 to 3 ft. Blue, pink, white and mixed colors. Each, pkt. 10c.

**220. LAVENDER vera.** Fragrant, blue flowers. Pkt. 10c.

**221. MYOSOTIS** (Forget-me-not). Beautiful, half hardy perennials, succeeding best in moist, shady situations. Sown in the Spring they will flower in the Fall; if wanted for early Spring flowering, seed should be sown in frames in July or August.

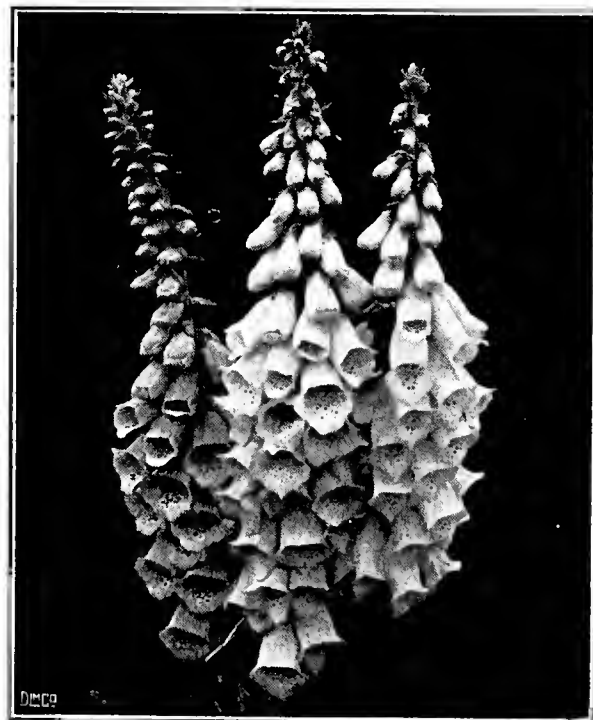
**Myosotis alpestris.** Of bushy habit, bearing large, bright blue flowers; very fine; 6 in. For rock garden. Pkt. 10c.

**222. NEPETA mussini.** A favorite perennial; blue gray foliage; pale mauve flowers; 9 in. For rock garden. Pkt. 10c.

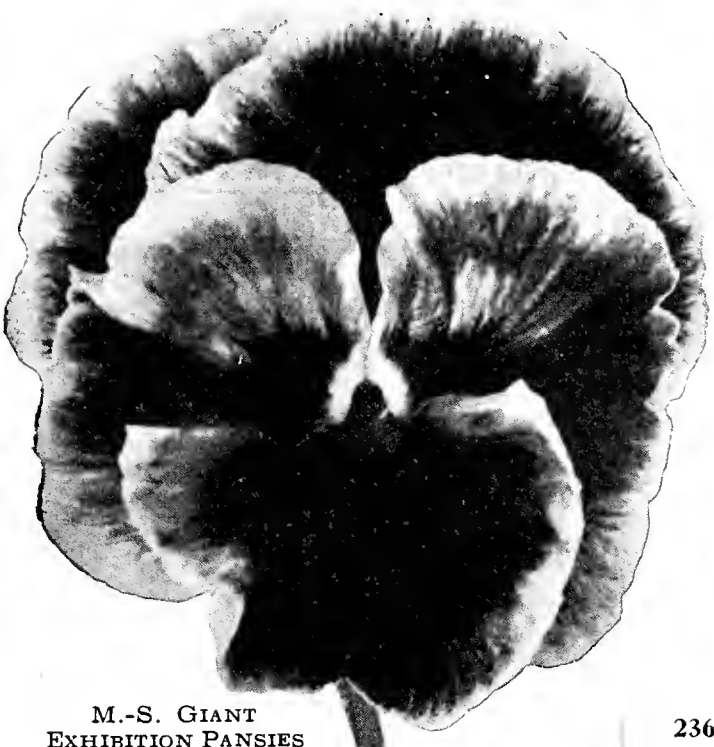
**223. OENOTHERA missouriensis.** Large, bright yellow flowers; 4 in. For rock garden. Pkt. 10c.



COLUMBINE OR AQUILEGIA (See page 33)



DIGITALIS (Foxglove)



M.-S. GIANT  
EXHIBITION PANSIES

### M.-S. PERFECT PANSIES

Strictly considered, this is a biennial, but the fact that it flowers the first season from seed recommends it for an annual. There are actually three seasons in which Pansies can be planted. If started in the house from February till April Pansies will begin to bloom from July on; sown outdoors in May, beautiful flowers are produced in the Fall; sown in frames during July and August and transplanting later gives us the main crop of flowers the following Spring. Pansies thrive best in moist, semi-shade situations, open exposure.

**224. M.-S. Giant Exhibition Pansies.** A blending of our own, containing only the very choicest the specialists in Europe have to offer; it can be relied upon to produce flowers of immense size, very heavy texture, and of the most brilliant colors. Pkt. 10c., oz. \$3.00.

**225. Triumph of Giants.** Flowers of great brilliancy and richness of coloring, including many new and rare shades. Pkt. 25c., 5 pkts. \$1.00, oz. \$6.00.

**226. Masterpiece (Frilled Pansy).** Flowers beautifully curled or waved. Exquisite colors. Pkt. 10c.

**227. POPPIES orientalis.** Enormous flowers of deep flashing scarlet and mixed; 3 ft. Entirely hardy anywhere. Each, pkt. 10c.

**228. POPPY, Mrs. Perry.** Rich salmon pink. Pkt. 10c.

**229. ICELAND POPPY.** These dwarf, bright yellow Poppies are most beautiful when grown in masses from seed sown every year; 1 ft. Pkt. 10c.

**230. PHYSOSTEGIA (False-dragon-head).** Very pretty, making dense bushes, bearing freely delicate, tubular flowers; 3 to 4 ft. July and August. Pink, white or mixed. Pkt. 10c.

**231. PRIMULA veris, Mixed (Cowslip).** Hardy Primroses are among the most prized of our Spring blooming plants; 1 to 1½ ft. high. Mixed colors. Pkt. 10c.

**232. PLATYCODON (Japanese Balloonflower).** Blue, bell-shaped flowers, all season. 2 to 3 ft. Pkt. 10c.

**233. Primula (Primrose) obconica.** Winter and Spring blooming pot plant. Pkgs. 60c. and \$1.00.

**234. PYRETHRUM.** Handsome hardy perennial plants for the herbaceous border. Single mixed and double. Each, pkt. 10c.

**235. PHLOX, HARDY.** For a gorgeous show these are the most satisfactory of all perennial plants. Mixed colors only. Pkt. 10c., oz. \$3.00.



SWEET-WILLIAM  
(*Dianthus barbatus*)

**236. RUDBECKIA (Coneflower) new-manni.** One of the finest of Autumn-flowering perennials, bearing large flowers. Bright orange yellow petals surrounding a large black cone. Pkt. 10c.

**237. Rudbeckia purpurea.** Most interesting flower, producing all Summer, large, showy, reddish purple flowers. Pkt. 10c.

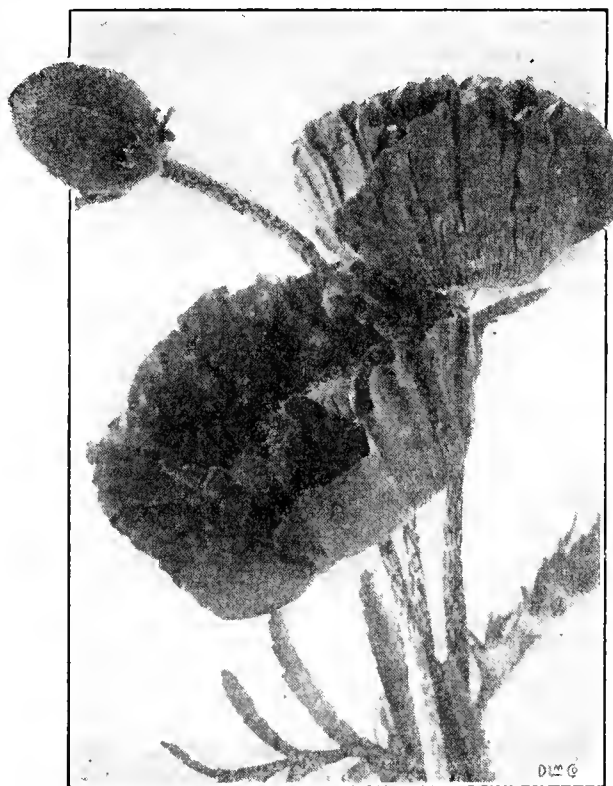
**238. SALVIA azurea grandiflora.** Producing spikes of sky blue flowers during August and September; 3 to 4 ft. Pkt. 15c.

**239. STATICE latifolia (Sea-lavender).** Purplish blue flowers; 2 ft. Splendid hardy perennials, either for the border or rockery, producing all Summer panicles of minute flowers, which can be dried and used for Winter bouquets. Pkt. 10c.

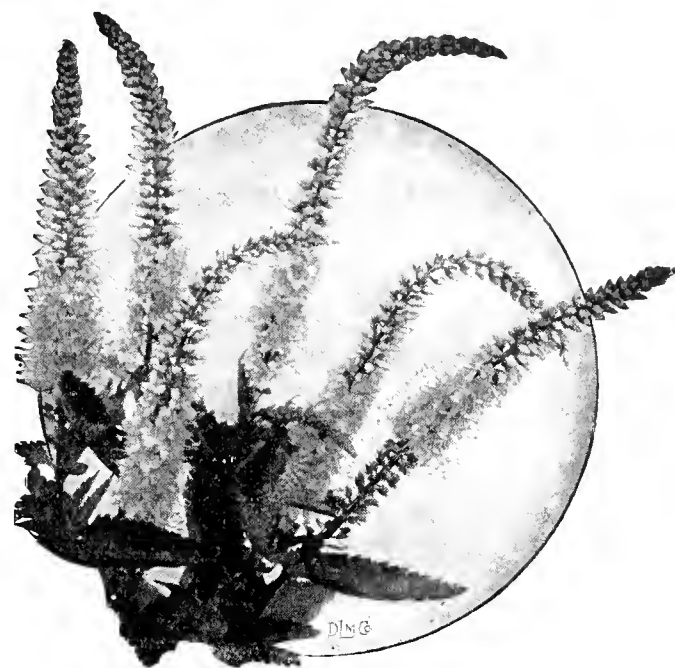
**240. SAPONARIA ocymoides.** A splendid plant for the rockery; rose colored flowers; 9 in.; for rock garden. Pkt. 10c.

**241. SCABIOSA caucasica.** One of the handsomest of hardy perennials, especially valuable for cutting, the blooms lasting a long time in water, color, soft lavender blue; 3 ft. Pkt. 10c.

**242. Scabiosa, Isaac House Strain.** An improvement on the above; larger flowers and longer stems; color, from soft lavender to dark blue. Mixed. Pkt. 25c.



ORIENTAL POPPY MRS. PERRY



VERONICA (Speedwell)

**243. SEDUM (Stonecrop) acre.** The well known yellow variety; for rock gardens. Pkt. 25c.

**244. Sedum spectabile.** Erect growing variety, broad, light green foliage; large heads of rose-colored flowers; 18 in. Pkt. 25c.

**245. STOKESIA (Cornflower Aster).** Blooms all Summer. Large, attractive flowers, resembling Asters; fine for cut flowers; 2 ft. high. Blue, white, and mixed. Pkt. 10c.

**246. SWEET ROCKET (Hesperis).** Excellent for naturalizing among shrubbery or for planting in a permanent border. Fragrant flowers. White, lavender and mixed; 2 to 3 ft. Each, pkt. 10c.

**247. SWEET-WILLIAM (Dianthus barbatus).** This is one of the finest of our hardy garden plants. Single scarlet, Newport pink, maroon, white, and all colors mixed and double mixed. Each, pkt. 10c., oz. 75c.

**248. TRITOMA hybrida (Red Hot Poker, Flameflower, or Torchlily).** Pkt. 10c.

**249. VALERIANA (Garden Heliotrope).** Hardy perennial border plants; large, fragrant flowers, odor resembling that of the Heliotrope; 2 to 3 ft. Mixed, red and white. Pkt. 10c.

**250. VIOLET.** Deservedly much in demand because of their profusion of bloom and delicate odor. **Blue Czar.** Single blue. Pkt. 10c.

**251. VERONICA (Speedwell).** Blue flowers, 1½ ft. high; June and July. Pkt. 10c.

**252. VIOLAS, or TUFTED PANSIES.** For rock garden. All colors mixed. Pkt. 10c., oz. \$2.50.

**253. Viola, Jersey Gem.** Possesses the dwarf habit and continuity of bloom of the Tufted Pansy, but is of more vigorous growth, making it one of the finest bedding varieties; color, rich violet, slightly perfumed. For rock garden. Pkt. 50c., large pkt. \$1.25.

**254. Viola bosniaca (Johnny jump-up).** Free bloomer; small leaves; purple flowers. For rock garden. Pkt. 10c.

**255. WALLFLOWER.** Favorite sweet-scented flowers of fine colors. Splendid for cutting and useful as Spring bedders. Single red, and single and double flowering finest mixed. Each, pkt. 10c.

**WALLFLOWER, Siberian.** See No. 192.

Gentlemen:

I heartily recommend Bloomaid for Roses as it is the finest fertilizer for them. From 100 Roses I cut 6000 blooms since last May and I attribute this to the use of Bloomaid on my bushes.

Yours very truly,

Henry M. Walker,  
2927 N. Calvert St.

All Flower Seeds 10c. per pkt., unless otherwise noted—Postpaid



# M.-S. SUPERB DAHLIAS

After May 15th we furnish plants of most of the listed varieties at the same price. All sent postpaid.

## CULTURAL DIRECTIONS

Spade or plow the ground to a depth of about 10 in. As a fertilizer, use sheep manure and quick-acting bonemeal, which should be well mixed with the soil. When the soil is properly prepared, dig a hole 6 in. deep, in which to plant the Dahlias. The bulbs should be laid down flat and covered to a depth of 4 in. Every Dahlia should have from 2½ to 3 ft. space and at least 4 ft. between the rows.

As soon as the plants are a foot above the ground they should be tied to a stake.

Keep the ground well cultivated and free from weeds. An application of sheep manure about every two weeks will be of great benefit.

Never leave more than one shoot to a plant. You will have better plants and larger flowers if you will allow only one main shoot to a plant.

## DECORATIVE TYPES

**Alice Green.** Golden Autumn shade, one of the best grown. \$1.00.

**Charlotte Alexander.** A Decorative which is perfectly true to type. White, with a slight edging and veining of purple on the flat, broad petals. Perfect stems and a constant and free bloomer. 50c.

**Dad.** A large red. \$1.00.

**Eastern Star.** A lively coloring of saffron yellow with old gold shadings. Flowers of great substance and good keeping qualities, full centers, on strong stems. 50c.

**Harry Mayer.** One of the best varieties. Pale rosaline purple, reverse veined in a deeper shade. Good stems and the blooms are held well above foliage. 50c.

**Jacques Futrelle.** This is a 1928 seedling. The flowers are of immense size on good, strong, erect stems, well above the foliage. The New England origin, possessing good quality, immense size, fine formation, long and stiff stems holding the flowers erect. The color is a clear, lemon yellow. 50c.

**Jane Cowl.** A massive, deep Decorative. Color is a glistening bronzy buff and old gold, deepening in shade towards the center. A stem of unusual strength holds the gigantic flower erect over a plant of ideal growth. 50c.

**Jersey's Beacon** (Waite). Decorative. Chinese scarlet with a paler reverse, giving a two-toned effect; a very large flower, vigorous grower, good stem. 50c.

**Jersey's Ideal.** Very large flowers of great depth, best described as a lavender pink, although it varies to a Phlox pink. A vigorous grower with large, leathery leaves and a prolific bloomer. 50c.

**Kathleen Norris.** A bloom of gigantic proportions. We believe we can conscientiously state it is the greatest pink Decorative Dahlia in commerce today. Color a true rose pink, later deepening to mallow pink, but paler in the young central petals. Broad, overlapping petals with twisted ends, filled to the center. Foliage dark green and leathery. Great bloomer and excellent keeper. 75c.

**Kemp's Violet Wonder.** The predominating color is a rich naphthaline violet, lightening to bluish violet at tips of petals, with a lavender reverse. A very perfectly formed flower, Decorative in type and of great size, frequently attaining a diameter of 10 in. and over. The stems are stiff and are 10 to 14 in. long. Early and prolific bloomer. Awarded a gold medal at 1927 A. D. S. Show, New York City. \$1.00.

**Margaret K. Alexander.** This is a shade of buff yellow, on the chart an antimony yellow, with a veining of clear orange through each petal. The blooms run from 6 to 8 in. and are held on good stems in an ideal position. Like most of this type it is an exceptionally strong, free bloomer and can be cut the entire season. \$1.00.

**Margaret Masson.** Lovely silvery rose pink flowers of a shade that is extremely popular. 50c.

**Margaret Woodrow Wilson.** A large, extremely beautiful Decorative. The petals are broad, slightly pointed, and of an opalescent pink color, and form a flower of great depth, and size. Strong, upright stems, dark green foliage, and a medium height plant. 50c.

**Mrs. A. E. Wheeler.** Fuschia color, large. \$1.00.

**Nanaquaket.** Color, white ground overlaid with amaranth pink; could be called a delicate Orchid pink. Large flowers, good stem, free flowering. \$1.00.

**Pride of Stratford.** A beautiful Decorative of striking and beautiful coloring; a brilliant shade of cadmium orange, shading slightly to yellow at the base of the petals. Stems are long and sturdy and the blooms very large. The reverse of the petals is red, which shows up plainly in the center of the flower. 50c.

**Radio.** The color, blood red edged and tipped yellow, is a combination that attracts immediate attention. The plant is a strong grower and the immense blooms are held erect on stout stems. 50c.

**Ralph Blodgett.** A three-colored Dahlia of striking effect; cornelian red blending to yellow ochre and each petal tipped white. Flowers 6 to 8 in. in size. 50c.

**Robert Scott.** A very beautiful apricot yellow with rose shading, extra large, bold flower; also has great depth, excellent stems and a fine bloomer. One of the most popular in the garden. 50c.



KEMP'S VIOLET WONDER

**Roman Eagle.** A Decorative 10 in. in diameter of flaming, brilliant, burnished copper; a typical Autumn shade. Medium size plant, dark green foliage and long stems. 50c.

**Rosa Alexander.** Here is a remarkable, two-color seedling that is a beauty in every way. It is a deep chrom orange with every petal tipped white, and is one of the best of that color combination I have seen—and they are always popular. The stems are extra good in both length and stiffness. It blooms freely and the plant itself is strong and vigorous. \$1.00.

**Rose Fallon.** One of the world's best Dahlias. Giant, old gold flower of finest form and type. Excellent stems, never opens up in the center; flowers held quite erect. \$1.00.

**Somerset.** A very large Decorative on fine stems. The color is a blending of salmon and old rose, with occasional touches of lavender. A healthy and vigorous grower. \$1.00.

**Treasure Island.** A bright apricot with gold and rose suffusion and shadings. A splendid flower on long, stiff stems. \$1.00.

**Yankee King.** A strawberry pink, center petals passing to spinel red. The plant is covered with very large blooms which are held erect on long, stiff stems; a perfect variety for cutting and a wonderful addition for the Dahlia planting of distinction. 50c.



## GIANT DECORATIVE DAHLIAS

No better free flowering Dahlias than this list of Giant Decoratives; try them and be convinced and have a *real* garden.

**Bashful Giant.** This is one of the largest Dahlias ever produced. It is also of great merit for its beautiful colors, being an apricot with golden shadings. Flowers are produced on stout stems. 25c.

**Bonnie Brae.** The color of this wonderful Dahlia is a peach and cream combination of shadings, showing strong on the peach pink at first, but after well opened, comes out much lighter. Very free flowering. 25c.

**Dr. Tevis.** Beautiful shade of salmon rose, suffused with old gold. 25c.

**Eleanor Grant.** A large, compact flower of very light cameo pink, almost white, passing to a tinge of yellow at the center, with a very fine edging of yellow to each petal. Strong, upright stem. 25c.

**Elinor Vandever.** A beautiful Dahlia both in coloring and form. Rose pink flowers on stiff stems that are 2 ft. long, and a continuous bloomer. 25c.

**Elizabeth Slocombe** (Slocombe). Color rich purplish garnet. The large flowers are carried on long, stiff stems. 25c.

**Jersey's Beauty.** Very fine true pink flowers of perfect shape, produced on long, straight, stiff stems. Very free bloomer, and a splendid keeper. 25c.

**Judge Alton Parker.** A wonderful shade of golden buff. A wonderful exhibition variety, grown freely on long, erect stems. 25c.

**Millionaire.** Most delicate lavender with faint pink cast overshadowing it, the whole having a blending of white. 25c.

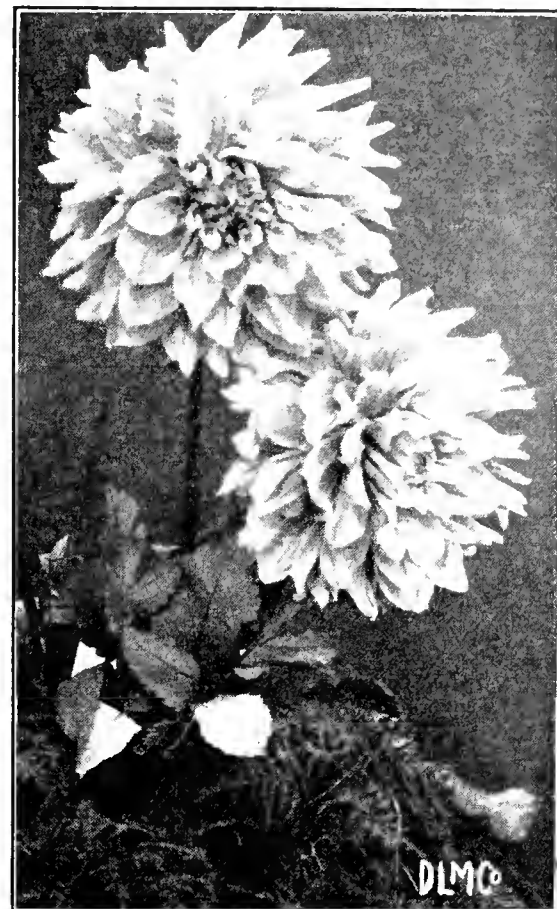
**Mrs. Carl Salbach.** A sensational Decorative Dahlia of great size. In color, a mauve pink, with occasional blending of white; the general impression being pink. For exhibition purposes this new creation is very desirable. 25c.

**Mrs. I. de Ver Warner.** Deep mauve pink. One of the very best Dahlias grown. Long, stiff stems and excellent for cut flowers. 25c.

**Pride of California** (Lohrman). Called the "American Beauty" Dahlia. Winner of gold and silver medals. Huge crimson red flowers produced on long, straight stems. 25c.

**Souvenir de Gustave Doazon.** The color is a pleasing shade of orange red. Long stems. 25c.

**William H. Slocombe** (Slocombe). The largest and best pale yellow Decorative to my knowledge. A clear sulphur yellow passing to martinus yellow at tips. Flowers of gigantic size, from 6 to 8 in. in diameter under ordinary conditions. 25c.



KATHLEEN NORRIS (See page 36)

This collection of 14 Giants for \$3.00 prepaid, or 7 for \$1.50.

## SHOW or BALL DAHLIAS

5 good Shows for \$1.00, prepaid

**A. D. Livoni.** Beautiful soft pink, well formed flowers with long stems. Free flowering. 25c.

**James Vick.** Purple crimson. 25c.

**Globe de Nantes.** Bright scarlet; a perfect model. 25c.

**Princess Victoria.** Pure canary yellow. Long stems, perfect form and free bloomer. 25c.

**Robert Broomfield.** Pure white. Tall grower. 25c.



JERSEY'S BEAUTY

## CACTUS DAHLIAS

These 8 for \$4.00, prepaid

**Alice Whittier.** A beautiful shade of primrose or sulphur yellow. The bloom is of great depth and will grow 9 to 10 in. in diameter on a plant 5 ft. tall. An excellent keeper when cut. \$1.00.

**Attraction.** Large flowers of silvery mauve rose, with white suffusion. 35c.

**Enid.** Dark red on good stem; free bloomer. 25c.

**Hollywood.** Large flower, free blooming, rich salmon. 25c.

**Kalif.** A large, majestic flower of perfect Cactus form; pure scarlet. 50c.

**Mrs. Ethel F. T. Smith.** This is a white shading to a greenish lemon tint in the center. A monster Dahlia on a strong stem. Blooms freely and is a splendid exhibition variety. 50c.

**Roycroft.** A golden bronze shade, very free flowering; a 6 to 7 in. flower, long stems and a wonderful bloom. 50c.

**Samuel T. Alexander.** Hybrid Cactus. This seedling is named in honor of the memory of the father of the introducer. One of the finest of this type grown. With no special care the flowers will grow 10 in. across, and the color is something new; technically it is a Japan rose which is a buff with a tinge of pink in it, and the reverse of the petals is Corinthian red. The stems grow 18 in to 2 ft. long and the habit of the plant is perfect. \$1.00.

## PEONY-FLOWERED DAHLIAS

**Ellen E. Kelley** (Alexander). A long-stemmed, free flowering golden yellow variety. 25c.

**Latona.** An unusual blending of orange, buff and yellow. Flowers are nearly full to the center, and produced freely upon good stems. 25c.

**Mina Seabury** (Alexander). In color, a sulphur yellow-very daintly overlaid mallow pink. 25c.

## POMPON DAHLIAS

Nothing better for cut flowers.

These 6 Pompons for \$1.25 prepaid

**Amber Queen.** Rich, clear amber, shaded apricot. 25c.

**Fashion.** Orange, fine. 25c.

**Golden Amber** (Alexander). The most perfect yellow Pompon to date. 25c.

**Little Edith.** Primrose yellow, tipped bright carmine. 25c.

**Raphael.** Very dark maroon of extra fine form. 25c.

**Vivid.** Brilliant scarlet. 25c.

# M.-S. SUPERFINE GLADIOLUS

OUR BULBS ARE 1½ INCHES AND UP

If to be sent by Parcel Post, add postage at 25c. per 100. Single Bulbs and dozens we deliver postpaid.

Our list comprises the best of recent introductions as well as the most popular of the standard varieties. Plant bulbs 4 inches deep and from 4 to 6 inches apart.

**Flaming Sword.** Beautiful bright red variety; early bloomer; 4 to 6 open at the same time.

**Anna Eberius.** A deep rich purple; very unusual and particularly attractive.

**Crimson Glow.** A splendid, dark red.

**L'Immaculee.** Pure white, long spikes with many flowers open at one time; very early.

**Los Angeles.** Choice salmon pink; large spike with many flowers; tall stem.

**Mrs. Dr. Norton.** Very large flowers, well set on a tall and graceful spike with 4 to 8 flowers in bloom at one time. Color, white with edges of petals suffused with soft La France pink; a very choice variety.

**Tycko Zang.** Very large flower of a salmon pink shade, unusual and attractive.

**Nancy Hanks.** Rich apricot, shaded orange pink. Petals are of exceptional texture and substance and the fine large flowers will not burn in Summer heat. A vigorous, robust grower.

The collection (No. 2) of 8 for 35c., \$3.00 per 100; 50 at the 100 rate.

**Evelyn Kirtland.** Beautiful shade rosy pink, darker at the edges, with brilliant scarlet blotches on lower petals. Tall spike, extra form and color.

**Souvenir.** Pure deep golden yellow, early flowering, graceful and artistic.

**Louise.** Exquisite shade of clear lavender, growing brighter toward the center.

**Mrs. Francis King.** Light scarlet, lower petals splashed deeper red. Tall spikes; very popular.

**Virginia.** Wide open flowers of a bright, cheery Christmas red.

**Panama.** Color clear pink with rose center; extra fine flowers on long spikes.

**Mrs. Frank Pendleton, Jr.** The color is a delicately flushed salmon pink, extending to the reverse side of the petal. The blooms are wide open and are arranged individually on very wiry stems. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals.

**Peace.** Flowers are large, of good form, correctly placed on heavy, straight spike. Beautiful white with lilac feathering on lower petals.

The collection (No. 3) of 8 for 25c., \$2.50 per 100; 50 at the 100 rate.

## Special Offer

The three collections, consisting of 24 Superfine Giant-flowering Gladiolus Bulbs, for \$1.25, postpaid

## M.-S. GIANT FLOWERING MIXED GLADIOLUS

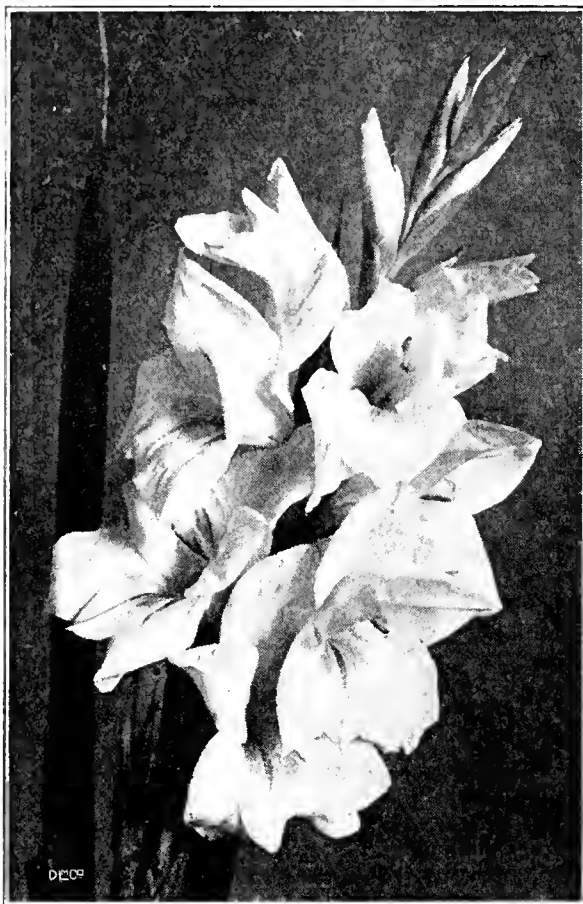
Composed of all named varieties in gorgeous blending

Doz. 35c., 100 \$2.00; 50 at 100 rate

## BEGONIAS, Tuberous-rooted

Enormous, waxlike flowers appear uninterruptedly from June until frost. Start indoors in March, and transfer about May 1st.

A most charming plant with beautiful foliage. We are offering single and double. Colors: Red, white, yellow, pink, salmon and mixed. Each 25c., doz. \$2.50, postpaid.



GLADIOLUS LOS ANGELES

**Jenny Lind.** The blossoms are pure apricot pink; throat pale yellow. One of the most exquisitely beautiful of Gladiolus.

**Captain Boynton.** Deep lavender. Large flowers on tall stems, royal and stately.

**Golden Measure.** Fine golden yellow; very large flowers.

**Mrs. Leon Douglas.** The giant of Gladiolus. Often reaches 6 ft. tall, with large flowers of choice rose pink.

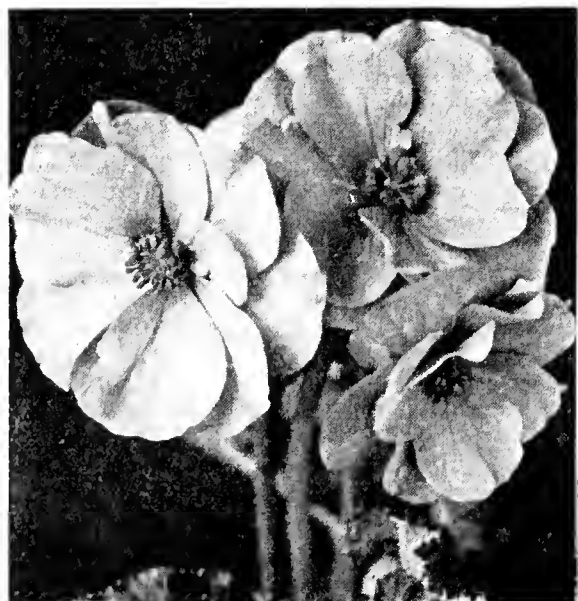
**Mr. W. H. Phipps.** La France pink, overlaid light rose salmon; one of the finest exhibition varieties.

**Mrs. Fred C. Peters.** Gorgeously light blue with deeper markings, many flowers open on long stems.

**Taro.** The wonderful color of the American Beauty Rose. Heavily ruffled, perfect placement on good strong spike. Mid-season.

**Persia.** Shiny, velvety dark maroon, almost black.

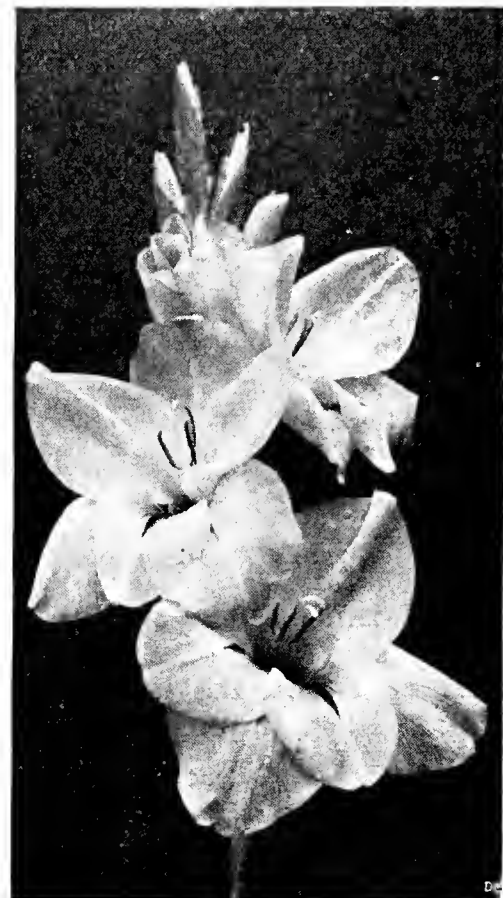
The collection (No. 1) of 8 for 40c. \$3.50 per 100; 50 at the 100 rate.



DOUBLE TUBEROUS-ROOTED BEGONIA

## M.-S. Special Gladiolus Collection

See inside back cover page.



GLADIOLUS LOUISE

## MONTBRETIAS

These are one of the brightest and most attractive of Summer-flowering bulbs and should be planted extensively. The bulbs should be planted out in the early Spring, in clumps of a dozen or more, placing the bulbs 3 to 6 in. apart. They should be protected during the Winter with a heavy covering of leaves or litter.

**Fire King.** Fiery red.

**George Davison.** In pure golden yellow.

**Etoile de Feu.** Vermilion, clear yellow center.

Doz. 75c., 100 \$5.00, postpaid



MONTBRETIAS



## M.-S. SUPERFINE CANNA BULBS

In almost every private garden, in all public parks and in most of the large cemeteries, Cannas are used with the greatest effect to adorn the surroundings. It is difficult to convey in language an idea of the beauty of the Canna plant and flower.

**Culture**—Canna tubers should not be put into the ground until the soil has become warm. Start indoors middle of March. They commence blooming in June and continue until frost. Every shoot bears flowers and these shoots are being constantly produced throughout the blooming season.

The heights given for Cannas are as the average in the nurseries. This height may vary, depending on soil, weather and climatic conditions.

**Note**—Our prices are for dormant roots in strong divisions of 2 and 3 eyes. After May 1st, our stock of roots is usually sold, at which time we can fill orders with plants of some varieties.

### M.-S. LARGE FLOWERING CANNAS

**Apricot.** We consider this Canna of unusual merit and especially valuable. Has healthy, bright green foliage growing about 4 ft. Color mixture of buff and salmon.

**Flery Cross.** Vivid scarlet, holds up well; disease and blight resisting. Green foliage. 4 ft.

**Golden Eagle.** Clear golden yellow; flowers produced in large clusters, well above the green foliage. 4 ft.

**Mrs. Alfred F. Conard.** Gigantic flowers borne in immense clusters; color, delightful salmon pink, a shade which becomes more brilliant as the flower develops; foliage light green. 4 ft.

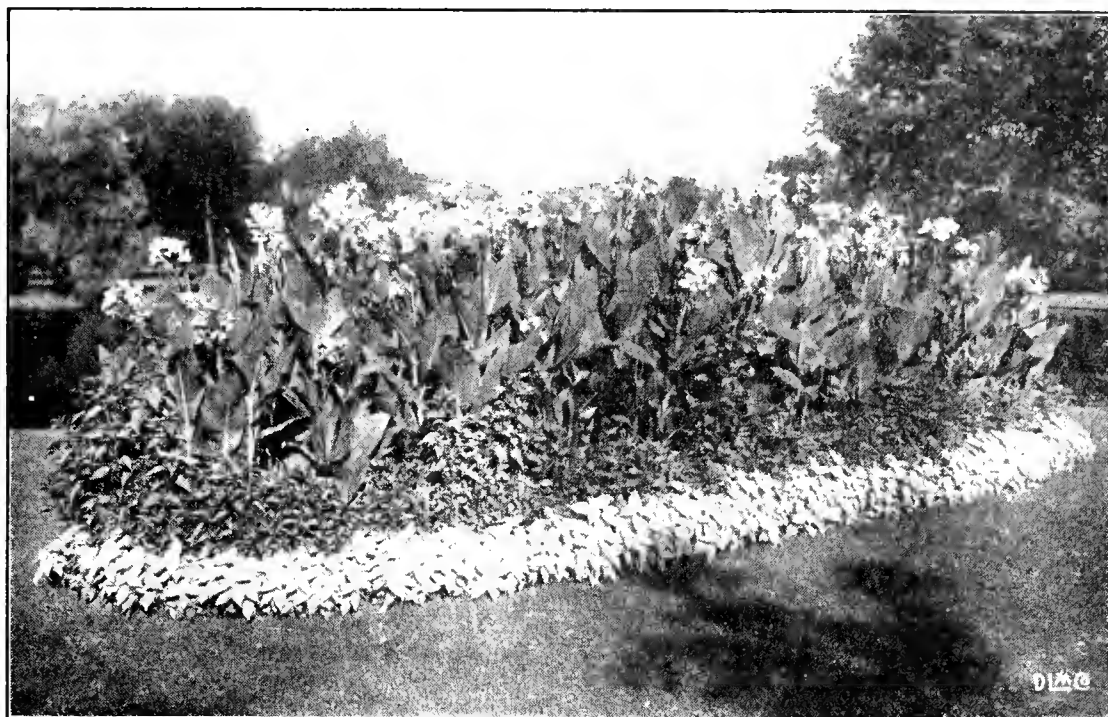
**Eureka.** The best white variety; free bloomer; green foliage. 4 ft.

**Florence Vaughan.** Yellow, spotted crimson; green foliage. 4 ft.

**Yellow King Humbert.** A sport from King Humbert and a majestic variety, with massive foliage; flowers golden yellow, dotted red; green foliage. 4½ ft.

**City of Portland.** Flowers of large size on heavy trusses; color, glowing pink; profuse bloomer; green foliage. 3½ ft.

**The President.** This splendid new variety produces immense flowers of a rich, glowing scarlet; green foliage. 3½ ft.



BED OF CANNA "THE PRESIDENT" EDGED WITH SALVIAS AND COLEUS

### BRONZE FOLIAGE VARIETIES

**King Humbert.** Truly a king among the Cannas, its majestic growth is doubly enhanced by a massive, coppery scarlet flower and the broad, deep bronze foliage. It grows 4 ft. high and is splendid either as a center, edged with a dwarf yellow Canna, or vice versa, placing it around a center of a tall, yellow variety.

**David Harum.** Flowers intense vermillion scarlet; bronze foliage. 3½ ft.

**Wyoming.** Orange chrome red; bronze foliage. 6½ ft.

Prices on all varieties of Cannas: Each 10c., 3 for 25c., doz. 75c., 100 \$4.50

For postage, add 15c. per doz., 50c. per 100

### FANCY-LEAVED CALADIUMS

Most attractive ornamental foliage plants of easy culture. Will do well out of doors in the open as well as in pots in a half-shaded exposure, with plenty of moisture and rich humus containing soil. Also as house plant or for conservatories, or in window boxes between ferns or small palms they give a very beautiful effect.

The following 9 varieties will give utmost satisfaction and are selected by specialists for our particular trade.

**Orinoco.** Light pink, transparent center with bright scarlet ribs, dark green edging.

**Snowshower.** Pure white field, veined glossy bright green, extremely showy and most attractive variety.

**Sunset.** Straw yellow ground with coral red and olive green blotches.

**Beethoven.** Moss green, white veins and pink center.

**Mephisto.** Carmine center, edged dark green with carmine splotches.

**Faust.** Rose pink center, edged light green with rose pink splotches.

**Tigridum.** Green and pink mottled with green edge, distinct pink veins.

**Haldeman.** Pale flesh, white veins, edged green.

**Atrosanguineum.** Moss green mottled and splashed white and scarlet.

Price on all varieties: Each 25c.; the entire collection, 9 varieties, \$2.00 postpaid

### MADEIRA-VINE

Heart-shaped leaves, feathery flowers, delicious fragrance. Here is what you want if a quick growth is desired. Hardy in this latitude if protected with litter.

**Roots.** 10c., 3 for 25c., postpaid.

### CALADIUM (Elephants-ear)

As centerpieces of specimen in flower beds, Caladiums answer well. They also make an excellent edging for a hardy bed of grass, for Ricinus and other tall growing plants. When planted in a bed alone, a border of Scarlet Sage removes the one color effect and makes a beautiful contrast. Do not plant Caladiums outdoors until after May 1st, but to get them in early growth they may be started indoors.

**Monster Bulbs.** Each 15c., doz. \$1.50. For postage, add 5c. each or 25c. per doz.

### TUBEROSES

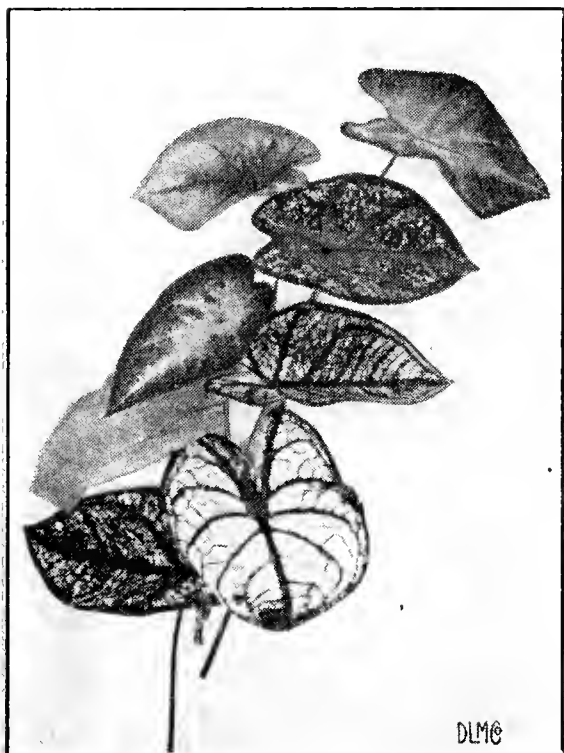
**Culture**—One of the most fragrant and popular of the Summer-flowering bulbs. May be started early in hotbeds or pots or planted in open ground after first of May. The bulbs we offer are not to be compared with cheap ones—ours are sure bloomers. Soaking them overnight in lukewarm water promotes rapid growth.

**Double Pearl.** One of the most delightfully fragrant and beautiful of the Summer-flowering bulbs. For flowering in the open, plant about the middle of May, or as soon as the ground becomes warm. Strong flowering bulbs. Doz. 40c., 100 \$2.50.

**Mexican Everblooming.** This charming single pure white variety begins to flower in July and continues throughout the season, each bulb throwing from 2 to 5 flower spikes in succession. Delightfully fragrant. Each 10c., doz. 60c., 100 \$4.00.

**Variegated.** This is an early single variety. White, the green leaves finely edged and striped with gold. Each 10c., doz. 60c., 100 \$4.00.

For postage, add 10c. per doz., 25c. per 100




FANCY-LEAVED CALADIUM



TUBEROSE



 All plants not marked postpaid are forwarded as soon as possible, unless instructed to the contrary, by Express, Purchaser paying charges.

## NURSERY DEPARTMENT

Hardy Potted Roses, Bedding Plants, Rock Garden Plants, Hardy Perennial Plants, Peonies, Iris, Hardy Decorative Flowering Shrubs, Hardy Evergreens, Azaleas, Etc., in quantities. Prices furnished on application. Estimates given on Landscaping, Lawn Making, Planting Flower Beds, Tree Trimming and Spraying

### PERENNIAL PLANTS FOR BORDER AND BED

**Anchusa.** Blue. 3 to 4 ft. June-July.  
**Aster.** Lavender, pink, white. 4 to 5 ft. August to October.  
**Babysbreath.** White. 2 ft. June-July.  
**Bleedingheart.** Pink. 18 in. May-June. 40c. each.  
**Black-eyed-susan.** Yellow. 2 ft. July, Aug.  
**Coralbells.** Red. 12 to 18 in. June to Sept.  
**Coreopsis.** Yellow. 2½ ft. July-August.  
**Chrysanthemum, Painted Lady.** Red. 2 to 3 ft. May-June.  
**Chrysanthemum hybridum.** Various colors. 2 to 3 ft. September-October.  
**Canterbury-bells.** Pink, blue, or white. 2 ft. June.  
**Columbine.** Blue, yellow or white. 2 ft. May-June.  
**Daylily.** Yellow. 2 to 3 ft. May.  
**Delphinium Belladonna.** Light blue. 3 to 4 ft. June to October.  
**Delphinium hybridum.** Blue. 3 to 6 ft. June, July.  
**Flax.** Light blue. 1½ ft. May to August.  
**False-dragonhead.** White, pink. 3 ft. July-August.  
**Foxglove.** Yellow, white, pink, purple. 2 to 3 ft. June-July.  
**Gaillardia.** Yellow. 18 in. May to October.  
**Geum.** Red, yellow. 18 in. June to September. 35c., 10 \$3.00.  
**Hollyhock, Double.** Maroon, pink, white or yellow. 5 to 6 ft. July-August.  
**Iris, German.** Color various. 2 to 3½ ft. May-June.  
**Iris, Japanese.** Color various. 2 ft. July. 35c., 10 \$3.00.  
**Lupine.** White, pink, yellow. 3 ft. June-Aug.  
**Marguerite.** Yellow. 1½ to 2 ft. June-July.  
**Peony.** Pink, white or red. 2 to 3 ft. May-June. 50c., 10 \$4.50.  
**Phlox.** Color, various. 2 to 3 ft. July-Aug.  
**Poppy, Oriental.** Red, pink. 3 ft. May-June.  
**Poppy, Iceland.** Color, various. 18 in. All season.  
**Pinks, Double and Single.** Pink, white, red. All season. 1 ft.  
**Scabiosa.** Pale blue. 1½ to 2 ft. June to September. 35c., 10 \$3.00.  
**Shasta Daisy.** White. 2 ft. July to October.  
**Stokesia.** White, blue. 18 in. July-August.  
**Sweet Peas.** White, crimson, pink. 4 to 8 ft. July to September.  
**Sweet-william.** Colors, various. 2 ft. June.  
**Tritoma.** Orange red. 2 to 3 ft. August.  
**Veronica.** White, blue. 1½ ft. June-July.  
**Wallflower.** Yellow, brown. 1 to 1½ ft. May.  
**Prices on all Perennials, unless otherwise noted, 15c. each, \$1.50 per doz.**

### PERENNIAL ROCK GARDEN PLANTS

**Alyssum.** Yellow. 1 ft. April-May.  
**Anemone, St. Brigid.** Various colors. 12 in. April.  
**Campanula, Carpathian.** Blue or white 8 in. June to October.  
**Candytuft.** Lavender. 10 in. May-June.  
**Cowslip.** Various colors. 6 to 8 in. April-May.  
**Daphne.** Pink. 1 to 2 ft. April-May. 50c.  
**Dianthus.** Rose pink. 1 ft. May-October  
**Dianthus alpinus.** Pink. 4 in. May-June  
**Dianthus alpestris.** White. 1 ft. June-July  
**Edelweiss.** White. 6 to 9 in. April. 35c.  
**Forget-me-not.** Blue or pink. 6 in. May to October.  
**Iris.** Various colors. 4 to 6 in. April-May.  
**Lily-of-the-valley.** White. 8 in. April.  
**Phlox, Moss.** White, lilac, pink, blue. 4 in. April-May.  
**Phlox divaricata.** Blue. 1 ft. May-June.  
**Rockcress, Arabis.** White. 5 in. April-May.  
**Sedum.** Yellow, white, pink. 2 to 3 in. May to August.  
**Snow-in-summer.** White. 6 in. May-June.  
**Sunrose (Helianthemum).** Pink, yellow, red, white. 8 to 12 in. June-July.  
**Veronica.** Blue. 12 in. July-August.  
**Viola (Tufted Pansy).** Blue, white, yellow. 5 in. All Summer.  
**Wallflower.** Orange. 1 ft. May to July.  
**Prices on all Perennials, unless otherwise noted, 15c. each, \$1.50 per doz.**

### SHRUBS

**Bridalwreath (Spiraea vanhouttei).** Beautiful foliage at all times and a fountain of arching, snow white blooms during May and June. Very popular. 2 to 3 ft., 30c.; postpaid, 40c.  
**Buddleia (Butterflybush) (Summer Lilac).** The long, graceful and exquisitely fragrant spikes of flowers are of a pleasing, rich, violet rose and are produced in profusion from early June until late Autumn. Splendid large plants, 2 yr., 30c., postpaid, 40c.  
**Common Snowball Bush.** Pure white flowers in dense clusters which look like balls of snow, very attractive. Large plants, 50c.; postpaid, 65c.  
**Forsythia fortunei (Golden Bells).** The first shrub to bloom in the Spring, the pendant golden bells appearing before the leaves. 2 to 3 ft., 30c.; postpaid, 40c.  
**Hydrangea paniculata.** Perfectly hardy in all parts of the country. White flowers, turning to pink, borne on immense, pyramidal panicles nearly a foot in length, from July until November. Strong plants, 2 to 3 ft., 30c.; postpaid, 40c.  
**Hydrangea arborescens.** Blossoms large, pure snow white. Blooms from early in June through August. 2 to 3 ft., 30c.; postpaid, 40c.  
**Lilac, Purple.** An old-time favorite that will always remain popular. Flowers fragrant. 2 to 3 ft., each 50c.; postpaid, 65c.  
**Lilac, White.** Identical with the purple variety excepting that the flowers are white. 2 to 3 ft., each 50c.; postpaid, 65c.  
**Mockorange (Philadelphus).** An old favorite. Flowers cup-shaped, very fragrant, pure white. Each 30c.; postpaid, 40c.



WEIGELA

**Pink Bush-honeysuckle.** Beautiful pink blossoms. Very attractive. Blooms in May and June. 2 to 3 ft., 30c.; postpaid, 40c.  
**Sweet-scented Shrub.** Strawberry scented. Should be in every planting. 50c.; postpaid, 65c.

### HARDY RHODODENDRON

Select Hybrid Seedlings, 8-12 in.

Mixed, very brilliant colors. 3 yrs. old  
 Many will bloom in one year  
 4 for \$2.45; postpaid, \$2.65

Hybrid Rhododendrons are easily the finest of the broadleaved evergreens; ideal for all landscape and garden purposes.

**Spiraea, Anthony Waterer.** Begins to bear flat clusters of rosy red flowers early in Spring and continues in bloom until late in Autumn. Each 30c.; postpaid, 40c.

**Weigela.** One of the most conspicuous shrubs that we cultivate; flowers either red or pink, dwarf, adapted to lawns or gardens. 2 to 3 ft., each 50c.; postpaid, 65c.

### SPECIAL OFFERS

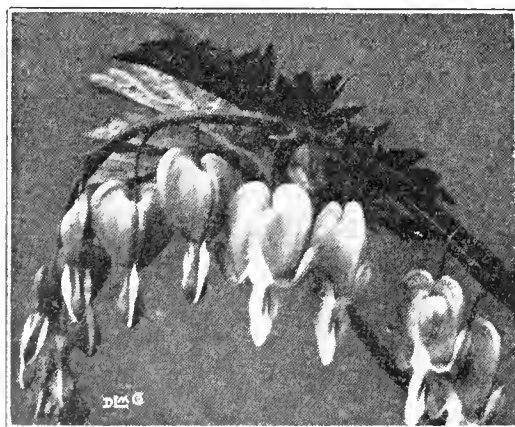
#### M.-S. ROSE COLLECTION

See back inside cover page.

#### M.-S. DOZEN LOVELY FLOWERING SHRUBS

All hardy, two-year-old and field grown. One each: **Pink Honeysuckle, Butterflybush, Snowberry, Deutzia, Spiraea Pink, Bridalwreath, Hydrangea, Lilac, Spiraea Red, Forsythia, Mockorange, Weigela.** Sufficient plant food and directions for planting.

\$3.00; postpaid, \$3.25



BLEEDINGHEART

**HEDGES***Express Shipments Only*

**New Red Barberry.** Rich, lustrous, bronzy red foliage changing in Fall to vivid orange scarlet and red. Similar to green-leaved variety but more brilliant and effective. Each 35c., 6 for \$1.75, 12 for \$3.25.

**Japan Barberry.** Valuable as specimen plants or for hedges. Drooping yellow flowers followed by bright red berries. Foliage changes to fiery crimson in Autumn. 12 to 18 in., in bundles of 10, \$1.00; 18 to 24 in., in bundles of 5, \$1.00.

**California Privet.** Cheaper than fences, far more beautiful. The most popular ornamental hedge plant. Hedge plants are set 6 in. apart, viz.: a 50 ft. hedge requires 100 plants. 18 to 24 in., in bundles of 25, \$1.25.

**SHADE TREES**

**Catalpa bungei** (Umbrella-tree). 5 to 6 ft. \$1.00.

**Dogwood (White).** 3 to 4 ft. \$1.00.

**Dogwood (Red).** 2 to 3 ft. \$1.25.

**Elm, American.** 8 to 10 ft. \$2.00.

**Maple, Norway.** 8 to 10 ft. \$2.25.

**Maple, Red.** 8 to 10 ft. \$2.00.

**Maple, Silver.** 8 to 10 ft. \$1.75.

**Maple, Sugar.** 8 to 10 ft. \$2.50.

**Oriental Plane.** 7 to 8 ft. \$1.75.

**Peach, Double-flowering Red or Pink.** 4 to 5 ft. 75c. each.

**Poplar, Carolina and Lombardy.** 8 to 10 ft. \$1.50.

**Poplar, Tulip.** 8 to 10 ft. \$2.00.

**Willow, Golden and Weeping.** 8 to 10 ft. \$2.00.

**VINES**

**Boston Ivy.** Most popular climbing plant for brick or stone walls, buildings, trees, fences, etc. Clings to smoothest surfaces. Strong plants, 2 to 3 ft., each 50c.; postpaid, 65c.

**Sweet-scented Clematis paniculata.** Most satisfactory climbing flowering plant, strong, rapid growth, dense, cheerful green foliage. Flowers in great profusion, creamy white color, very fragrant. 2 yr., 50c.; postpaid, 65c.

**Clematis jackmani.** Popular, rich purple. 75c.; postpaid, 85c.

**Hardy Purple Wisteria.** Vigorous, strong growing vine, rich violet blue flowers, deliciously sweet. 2 yr. 50c.; postpaid, 65c.

**Hardy Japanese Kudzu Vine** (*Pueraria thunbergiana*) ("Jack and the Bean Stalk" Vine). A vine that will grow anywhere in the best or poorest soil. Remarkable and rapid, often making a growth of 50 to 75 ft. in one season. Fragrant, purple flowers; invaluable for covering porches, etc. Strong plants, 60c.; postpaid, 75c.

**FRUIT TREES**

Not Mailable

**APPLES**

**Baldwin, Ben Davis, Bonum, Delicious, Early Harvest, Grimes Golden, Jonathan, Maidens Blush, McIntosh, M. B. Twig, Rome Beauty, Stayman's Winesap, Summer Rambo, Sweet Paradise, Wealthy, William's Red, Winesap, Yellow Transparent, York Imperial.** Extra strong trees, 5 to 6 ft. high. Any of the above, each 50c., doz. \$5.00.

**PEARS**

**Keiffer, Bartlett, Seckel.** Any one of the above, each 75c., doz. \$6.00.

**PEACHES**

**Alton, Belle of Georgia, Bilyeu's Late, Brackett Champion, Carmine, Early Crawford, Elberta, Hall, Hiley, Indian, Krummel, Late Crawford, Mayflower, Rochester, Salwey, Slappey.** 5 to 6 ft., strong trees. Any of the above, each 50c., doz. \$5.00.

**QUINCE**

**Champion, Orange.** 5 to 6 ft. Each \$1.25.

**PLUMS**

**Abundance, Burbank, Damson, German Prune, Green Gage, Italian Prune, Red June, Wickson.** Any of the above, each 75c., doz. \$6.00.

**CHERRIES**

**Bing, Black Tartarian, Early Richmond, Gov. Wood, Lambert, Large Montmorency, Napoleon.** Any of the above seven, each 75c., doz. \$6.00.

*Local delivery and express only—no freight shipments*

For best results, **Fruit Trees** should be sprayed 3 to 4 times a season

**BLACKBERRIES**

**Early Harvest, or Eldorado.** Doz. \$1.25, postpaid \$1.50.

**RASPBERRIES**

**Chief, Cumberland, Cuthbert, Latham, Plum Farmer, St. Regis.** Doz. \$1.25, postpaid \$1.50.

**CURRENTS**

**Red Cross, Fay's Prolific, Wilder.** Each 25c., postpaid 35c.; doz. \$2.50, postpaid \$2.75.

**GOOSEBERRIES**

**Downing**, green; and **Houghton**, pale red. Each 25c., postpaid 35c.; doz. \$2.50, postpaid \$2.75.

**STRAWBERRIES**

**Extra Early Varieties: Blackmore**, perfect flowering, and **Premier**.

**Second Early Varieties: Aberdeen**, perfect flowering, and **Dr. Burill**.

**Medium Late Varieties: Eaton, Gibson and Big Joe.**

**Very Late Varieties: Wm. Belt, Lupton, Chesapeake, and Gandy.**

Any of the above, 100 \$1.50, postpaid \$1.75; 1000 \$6.50, at our store, or express collect at customer's station.

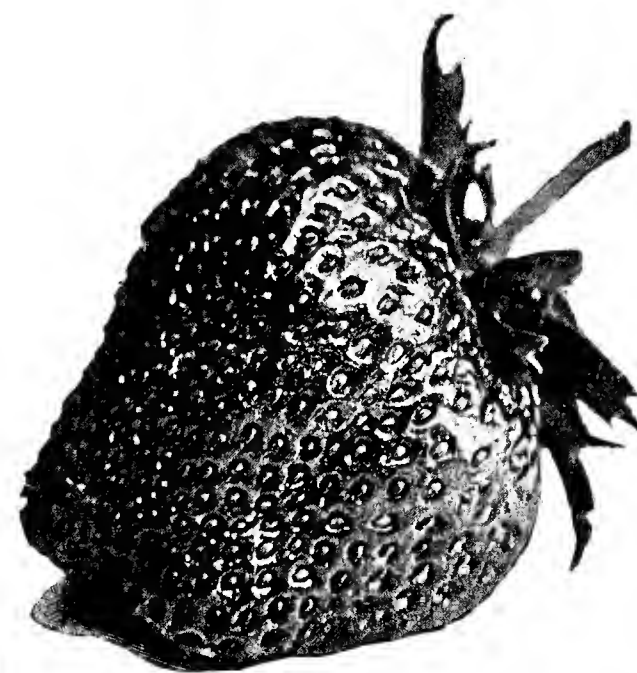
**Everbearing Varieties: Champion and Lucky Strike.** 100 \$1.75, postpaid \$2.00; 1000 \$12.00, at our store or express collect at customer's station.

**GRAPES**

**Catawba**, red; **Concord**, blue; **Niagara**, white. Strong, 2 year old 25c., postpaid 35c.; doz. \$2.50, postpaid \$2.75.

**Caco**, the best red, 35c., postpaid 45c.; doz. \$3.00, postpaid \$3.25.

**GRAPE PROTECTING BAGS**, see page 45.



BIG JOE

**INSECT, FUNGOUS AND WEED DESTROYERS**

**Polsonous Insecticides Cannot Be Sent by Mail. Articles marked thus (\*) are polson. All prices subject to change.**

**ANTI-ANT.** Rids ants in house, lawn or garden. Harmless to man or beast. 4 ozs. 40c., postpaid 45c.; ½ lb. 65c., postpaid 73c.

**\*ANT KILLER CYANOGAS.** Destroys the queen and worker ants immediately. 4 oz. tin 30c.

**ANT BAIT (Lethelin).** Kills ants in the nest **Garden Size**—Enough to kill several colonies of moderate size indoors or out. 50c., postpaid 55c.

**Estate Size**—For estates, golf courses and greenhouses. \$1.75, postpaid \$1.85.

**Five Pound Can**—For professional exterminators. \$10.00, postpaid \$10.16.

**\*ANTROL.** Ants destroyed in their nests. Safe, permanent, effective.

**Antrol Sets.** Containing 4 containers and 1 4-oz. bottle of syrup, 75c.

**Antrol Extra Containers.** Each 12½c.

**Antrol Syrup.** 4-oz. bottle 45c., pt. 85c., gal. \$3.50.

**Ready-filled Antrol Set.** Consisting of 4 ready-filled feeders, 50c., 1 only 15c.

**ANTROL ANT and ROACH POWDER.** 2 oz. pkg. 25c., postpaid 30c.

**APHISTROGEN.** For all plants subject to aphids or plant lice. Also carries the noted Rosenbluth leaf fertilizer. 4 ozs. 50c., postpaid 60c.; ½ lb. \$1.25, postpaid \$1.40; 2 lbs. \$3.50, postpaid \$3.75; 12 lbs. \$15.00, postpaid \$15.25.

**\*ARSENATE OF LEAD.** Most effective for chewing insects. Lb. 25c., 4 lbs. 75c., 48 lbs. \$7.50.

**\*ARSENATE OF LEAD** (Oleate Coated). Very effective on Japanese beetle. Lb. 50c., 2½ lbs. \$1.10.

**\*ARSENATE OF ZINC.** Lb. 30c., 4 lbs. \$1.00, 100 lbs. \$22.00.

**ASTOGEN.** A non-poisonous soil insecticide for Asters and other plants, likewise as a preventive of stem rot and yellows. 2 lbs. 75c., postpaid 90c.; 5 lbs. \$1.50, postpaid \$1.65; 10 lbs. \$2.75, postpaid \$2.95; 25 lbs. \$5.00, postpaid \$5.35; 50 lbs. \$8.50, postpaid \$9.15; 100 lbs. \$15.00.

**\*BLACK LEAF 40.** Oz. bottle 35c., 5 ozs. \$1.00, lb. \$2.10, 2 lbs. \$3.10, 5 lbs. \$5.85, 10 lbs. \$10.15, 50-lb. drum \$43.00.

**\*BLUE STONE.** 5 lbs. 75c., 10 lbs. \$1.25, 50 lbs. \$5.00, 100 lbs. \$9.00.

**\*BORDEAUX ARSENATE.** Kills chewing insects and controls fungous diseases. Lb. 35c., 4 lbs. \$1.25, 48 lbs. \$11.00.

**\*BORDEAUX MIXTURE.** For controlling fungous diseases. Lb. 25c., 4 lbs. 75c., 48 lbs. \$7.50.

**\*CALCIDE.** For Potato bugs, Bean beetle and other chewing insects. Lb. 25c., 4 lbs. 60c., 48 lbs. \$5.75.

**\*CERESAN.** Dust disinfectant to control certain diseases carried on grain seed and Narcissus. Lb. 75c., 5 lbs. \$3.00, 25 lbs. \$12.50, 100 lbs. \$49.00.

**\*COPPER LIME DUST (20-20-60 Mixture)** for destroying Mexican Bean beetle. Lb. 15c., 5 lbs. 60c., 100 lbs. \$8.50.

**INSECT, FUNGUS AND WEED DESTROYERS—Continued**

All prices on this page subject to change without notice

**CROTOX.** Insures seed Corn against attacks of crows and other pests. Small size can, insures 1 bu. 60c., postpaid 68c. Large size can insures 2 bus. \$1.00, postpaid \$1.10.

\***CYANOGLAS "A"**. A dust for outside use in killing rats, moles, woodchucks, gophers and ground squirrels.  $\frac{1}{2}$  lb. 45c., lb. 75c., 5 lbs. \$3.00.

\***CYANOGLAS "G" FUMIGANT.** Lb. 75c., 5 lbs. \$3.00.



**DOG AWAY.** A small tube of salve to be attached to evergreens and shrubs. Positively keeps dogs away. Each 35c., postpaid 40c.

**EVERGREEN (New).** The simple way to kill plant insects; just mix with water and spray; no spreader to be added. The deadly pyrethrum contents kills both sucking and chewing insects such as aphids, rose chafers, Mexican bean beetle, Cucumber beetle, Celery leaf tier, etc., yet is non-poisonous and harmless to humans and pets. One ounce bottle makes up to 6 gallons of spray. Oz. bottle 35c., postpaid 40c.; 6-oz. bottle \$1.00, postpaid \$1.08; 16-oz. bottle \$2.00, postpaid \$2.10; gal. tin \$12.00, postpaid: 5 gals. \$50.00.

**FISH OIL SOAP.** Lb. 35c., postpaid 42c.; 5 lbs. \$1.25, postpaid \$1.38; 10 lbs. \$2.00, postpaid \$2.18.

**FISH OIL SOAP (Semi-liquid).** Lb. 35c., postpaid 42c.; 5 lbs. \$1.25, postpaid \$1.38.

**FORMALDEHYDE.** For Potato scab and mold. Pt. 50c., qt. 90c., gal. \$3.00. Not available.

**FULTON'S A-1 PYRETHRUM SPRAY.**  $\frac{1}{2}$  oz. 50c., postpaid 55c.

**FUNGTOGEN.** Conquers mildew and black spot. Endorsed by leading rosarians.  $\frac{1}{2}$  pt. 75c., postpaid 83c.; pt. \$1.25, postpaid \$1.35; qt. \$2.00, postpaid \$2.12; gal. \$6.00, postpaid \$6.18.

**GRAFTING WAX.**  $\frac{1}{4}$  lb. 20c.,  $\frac{1}{2}$  lb. 30c., lb. 50c.

**GRAPE DUST.** For mildew and blight. 5 lbs. 75c.

\***HELLEBORE.**  $\frac{1}{4}$  lb. 25c.,  $\frac{1}{2}$  lb. 40c., lb. 70c., 5 lbs. \$3.00.

\***INSECTROGEN.** Kills most leaf-eating insects, prevents blight, also a powerful fertilizer. 4 ozs. 60c.,  $\frac{1}{2}$  pt. \$1.00, pt. \$1.75, qt. \$2.75, gal. \$8.00.

\***KAYLOX.** Is an insecticide and fungicide; very effective against all leaf eating insects.  $\frac{1}{2}$  lb. 25c., lb. 45c., 5 lbs. \$2.10, 10 lbs. \$3.75.

**KAYSO.** A combined casein spreader and adhesive to be added to spraying material. 2 lbs. 40c., postpaid 50c.; 100 lbs. \$15.00.

**LEMON OIL INSECTICIDE.**  $\frac{1}{2}$  pt. 30c., postpaid 38c.; pt. 50c., postpaid 60c.; qt. 85c., postpaid 96c.;  $\frac{1}{2}$  gal. \$1.50, postpaid \$1.63; gal. \$2.50, postpaid \$2.68; 5 gals. \$12.00, 10 gals. \$22.50.

**LIME SULPHUR (Liquid).** For scale insects on trees and shrubs and such fungous diseases as can be treated in Winter or early Spring. Qt. 40c., gal. 90c., 5 gals. \$3.00, 30 gals. \$6.50, 50 gals. \$10.00. Not available.

**LIME SULPHUR (Dry Powder Form).** Lb. 30c., 5 lbs. \$1.25, 10 lbs. \$2.00, 25 lbs. \$4.00, 50 lbs. \$7.00, 100 lbs. \$12.00, 200 lbs. \$22.00. Not available.

\***MAGNESIUM ARSENATE.** 2 lbs. 60c., 40 lbs. \$8.80.

\***MAG-O-TITE.** 5 lbs. \$1.50.

**MEXOGEN.** Destroys larvae eggs as well as the adult Mexican beetle, also Cabbage worms and other insect pests.  $\frac{1}{2}$  pt. 75c., postpaid 83c.; qt. \$2.00, postpaid \$2.10; gal. \$6.00, postpaid \$6.18.

**MOLOGEN.** Eliminates moles in short time. Harmless to humans and pets, soil or grass. Emits no gas. Odorless.  $\frac{1}{2}$  lb. 50c., postpaid 58c.;  $1\frac{1}{2}$  lbs. \$1.25, postpaid \$1.35; 5 lbs. \$4.00, postpaid \$4.65.

**MOLO.** A preparation that will clear your lawn of moles and field mice in a few nights. Pkt. 25c. Not available.

\***NICO-FUME (Liquid).** Lb. \$2.25, 4 lbs. \$5.75, 8 lbs. \$10.00, 40-lb. drum \$52.50.

**NICO-FUME TOBACCO PAPER.** Box of 24 sheets \$1.25, postpaid \$1.32; 144 sheets \$4.50, postpaid \$4.62; 288 sheets \$8.00, postpaid \$8.17.

\***NICO-FUME TOBACCO POWDER** Lb. \$1.00, 5 lbs. \$3.35, 10 lbs. \$5.85.

\***NU-GREEN.** Kills brown patch and restores lawns to a healthy condition. 3 ozs. 50c., lb. \$1.75, 5 lbs. \$8.00, 25 lbs. \$30.00, 100 lbs. \$115.00.

\***PARA-DICHLOROBENZENE** or **CRYSTAL GAS.** Controls Peach borers, use in June and September. Oz. to each tree. Lb. 50c., 5 lbs. \$2.00, 10 lbs. \$3.50, 25 lbs. \$7.50, 50 lbs. \$14.00.

\***PARIS GREEN.**  $\frac{1}{4}$  lb. 15c., lb. 40c., 2 lbs. 75c., 5 lbs. \$1.75, 14-lb. kits \$4.50. Price subject to change.

\***POMO-DUST.** Prevents and cures mildew and blocks rot on Roses and other plants. Kills chewing insects. Lb. 35c., 5 lbs. \$1.25, 10 lbs. \$2.25, 100 lbs. \$12.00.

\***POMO-GREEN.** Like the above, but colored green to harmonize with the color of plants. Lb. 50c., 5 lbs. \$1.75.

\***POMO-GREEN WITH NICOTINE.** Like the above, but also kills sucking insects. Lb. 75c., 5 lbs. \$3.00.

**PYROX.** A safe, all-round spray to kill all leaf eating insects and preventive for blight and all fungous trouble on trees, shrubs, vines, vegetables, Roses, etc. Use Pyrox to get earlier and better germination and to keep crows and other pests from the Corn crop. It takes 1 lb. Pyrox to treat 1 bu. of Corn. 5 lbs. \$1.75, 10 lbs. \$3.00, 25 lbs. \$5.00, 50 lbs. \$7.25, 100 lbs. \$12.50, 300 lbs. \$30.00. 1 lb. discontinued, see next item.

**PYROX WITH NICOTINE.** Like the above but also kills sucking insects. 10 ozs. 50c., 5 lbs. \$1.75, 10 lbs. \$3.00.

**RED ARROW INSECT SPRAY.** A non-poisonous Pyrethrum soap spray, deadly to most insects. Will not burn or discolor foliage. Oz. 35c.,  $3\frac{1}{2}$  oz. \$1.00,  $\frac{1}{2}$  pt. \$1.75, pt. \$3.25, qt. \$6.00, gal. \$17.50. All postpaid.

**RED "A" SOAP.** A spreader for all insecticides except those containing arsenical compounds. Pt. 60c., postpaid 67c.; qt. \$1.00, postpaid \$1.08; gal. \$2.80, postpaid \$3.00.

**ROTECIDE SPRAY.** Contact and stomach poison. Non-poisonous to birds, animals or humans. Will not burn or discolor tender foliage. Complete spray, simply add water. Oz. 35c., postpaid 40c.;  $\frac{1}{2}$  pt. \$1.00, pt. \$1.75, postpaid \$1.85; qt. \$3.00, postpaid \$3.12; gal. \$8.00, postpaid \$8.25.

**ROTECIDE (Liquid Soap).** Perfect activator and spreader. Gal. \$2.50, postpaid, \$2.75.

\***SEMESAN.** Prevents and controls fungous diseases, damping-off, etc., quickens seed germination, invigorates seedling growth, produces sturdier plants, increases crop yield. 2 ozs. 50c., lb. \$2.50, 5 lbs. \$11.75, 25 lbs. \$46.25, 100 lbs. \$180.00.

\***SEMESAN BEL (New Improved).** Dip disinfectant to control scab and rhiz octonia carried on white seed Potatoes. 1 lb. disinfects 60 to 80 bus. at a cost of  $1\frac{1}{2}$ c. to 3c. per bu.; 4 ozs. 50c., lb. \$1.75, 5 lbs. \$8.00, 25 lbs. \$31.25, 100 lbs. \$120.00.

\***SEMESAN JR. (New Improved).** For controlling certain root-rots carried by field and sweet Corn, also to prevent rotting in early planting. It costs less than 3c. per acre. 4 ozs. 50c., lb. \$1.50, 5 lbs. \$7.00, 25 lbs. \$28.75, 100 lbs. \$110.00.

**SCALECIDE.** Used for the destruction of San Jose scale. Spray during the Winter or early Spring when the trees are dormant. Qt. 60c., postpaid 70c.; gal. \$1.40, postpaid \$1.65; 5 gals. \$4.90, 10 gals. \$8.50, 15 gals. \$12.00, 30 gals. \$19.00, 50 gals. \$26.50. Refund on return of 15, 30, 50 gal. drums.

**SLUG SHOT, HAMMOND'S.** One of the oldest powders for destroying chewing insects. Lb. 25c., postpaid 33c.; 5 lbs. 75c., postpaid 88c.; 25 lbs. \$3.00, postpaid \$3.35.

**SNAROL.** Quickly kills garden pests. Science provides new, safe method that does the work without fuss. Snails, cutworms, slugs, grasshoppers, sow bugs, earwigs, etc. are exterminated.  $1\frac{1}{2}$  lb. pkg. 35c., 4-lb. pkg. 85c., 15-lb. pkg. \$3.00, 50-lb. bags \$8.00.

**SULFOCIDE.** An efficient Summer spray for the control of scab and black root on fruit trees. Excellent for mildew and similar fungous trouble of other plants. Pt. 50c., postpaid 60c.; qt. 85c., postpaid 95c.; gal. \$2.25, postpaid \$2.50.

**SULPHUR (Flowers).** Lb. 12c., postpaid 19c.; 5 lbs. 50c., postpaid 62c.; 10 lbs. 90c., postpaid \$1.07; 25 lbs. \$2.00, postpaid \$2.35; 100 lbs. \$6.00.

**SUNOCO SPRAY OIL.** Self emulsifying in any water. Will not freeze or deteriorate from season to season. Used for dormant spraying, delayed dormant spraying and Summer spraying. Unequaled as a spreader and sticker for foliage sprays, maintaining an effective coating on foliage for weeks. Gal. \$1.25, 5 gals. \$5.00, 15 gals. \$9.30, 30 gals. \$15.90, 50 gals. \$23.00.

**TOBACCO DUST** (Special Dusting or Fumigating). Lb. 10c., postpaid 17c.; 3 lbs. 25c., postpaid 35c.; 10 lbs. 60c., postpaid 78c.; 20 lbs. \$1.00, postpaid \$1.26; 100 lbs. \$3.75.

**TOBACCO STEMS.** Lb. 5c., postpaid 12c.; 50 lbs. \$1.75, 100 lbs. \$3.00.

**TREE PAINT.** Invaluable for cuts and bruises. The life of a tree depends on its care. Qt. 50c., postpaid 60c.; gal. \$1.50, postpaid \$1.66.

**TREE TANGLEFOOT.** Lb. 60c., postpaid 68c.; 5 lbs. \$2.75, postpaid \$2.87; 10 lbs. \$5.25, postpaid \$5.42, 25 lbs. \$11.00.

**TRI-GEN.** Triple spray treatment. Fungicide, insect killer, repellent. Complete protection against plant diseases and insects. Stimulates plant growth. In highly concentrated form, in 3 convenient sizes. Small kit \$1.50, medium kit \$4.00, large kit \$6.00.

**VOLCK, NURSERY.** Effective for most chewing and sucking insects and fungous diseases.  $\frac{1}{2}$  pt. 35c., postpaid 43c.; pt. 55c., postpaid 65c.; qt. 80c., postpaid 90c.; gal. \$2.50, postpaid \$2.73; 5 gals. \$7.50; 28 gals. \$28.00.

**WEED KILLER (Fairmount).** Destroys weeds and grass on roadways, paths, gutters, etc. 1 gal. makes 50 gals. of treating liquid. Qt. 70c.,  $\frac{1}{2}$  gal. \$1.00, gal. \$1.75. General Chemical Co. Weed Killer, available in larger sizes only. 5 gals. \$5.00, 10 gals. \$9.00, bbl. lots (50 gals.) 80c. per gal.

**WEED TABS, Non-poisonous.** Are composed of soluble materials which begin to dissolve as soon as the tab is inserted in the weed. They need about two days to do the job. Simply insert, tab dissolves, goodbye weed. 36 tablets, 10c., 15c. postpaid.

**WORM ERADICATOR, ELECTRIC.** For eradicating worms from lawns, turfs and putting greens without injury to soil or growth. Pt. \$1.00, gal. \$4.00, 5 gals. \$16.25, 10 gals. \$30.00. Not available.



# FERTILIZERS AND PLANT FOODS

All prices on Fertilizers are subject to market changes, ton prices on request. Fertilizer and Plant Foods, postage extra. For Fertilizer to be sent by Parcel Post, add 8c. for 1 lb., 10c. for 2 lbs. and 1c. for every additional lb. Like 1 lb. 8c., 10 lbs. 18c.

**ACID PHOSPHATE or SOUTH CAROLINA ROCK.** 16 per cent. Apply 1000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. 167-lb. bag \$1.75, 100 lbs. \$1.50.

**ADCO.** Don't waste garden rubbish. Turn it into manure with Adco. Adco is a powder which, mixed with almost any non-woody vegetable waste and kept wet, gradually converts it into manure. 25 lbs. of Adco makes ½ ton of manure. 25 lbs. \$2.00, 150 lbs. \$10.50.

**ALUMINUM SULPHATE** (For Rhododendrons and Azaleas). Lb. 10c., 3 lbs. 25c., 5 lbs. 40c., 100 lbs. \$4.50.

**ASPARAGUS SALT.** Applied in Spring 600 to 800 lbs. per acre; for destroying weeds. 10 lbs. 25c., 50 lbs. \$1.00, original sack 100 lbs. \$1.50, 200 lbs. \$2.50.

**BAUGH'S (2-8-5).** For Potatoes and general crop. 25 lbs. 60c., 50 lbs. \$1.00, 100 lbs. \$1.75, 167-lb. bag \$2.50.

**BAUGH'S (1-9-4).** All around goods. 167-lb. bag \$2.40.

**BAUGH'S PERUVIAN GUANO SUBSTITUTE (4-8-5).** All around high grade fertilizer. 5 lbs. 25c., 10 lbs. 45c., 25 lbs. 75c., 50 lbs. \$1.25, 100 lbs. \$2.00, 167-lb. bag \$3.25.

**BAUGH'S DOUBLE POWER FERTILIZER (4-16-4).** For grain crops. 167-lb. bag \$3.75.

**BLOOD, DRIED.** For indoor and outdoor culture of flowering plants, like Roses, Carnations, etc., its chief element being nitrogen. Fine for ferns. Lb. 10c., 3 lbs. 25c., 5 lbs. 40c., 10 lbs. 75c., 25 lbs. \$1.50, 50 lbs. \$2.50, 100 lbs. \$4.00.

**BLOOMMAID.** Most complete plant food for flowers, shrubs, vegetables and trees. Comes in tablet, liquid and granulated form. Clean, odorless and easy to apply. 125 tablets, 25c., postpaid; 8 oz. bottle 50c., lb. 25c., 5 lbs. 50c., 10 lbs. 75c., 25 lbs. \$1.50, 100 lbs. \$4.00.

**BONEMEAL, PURE (2.47-50).** Splendid article for building up worn-out soil, lawns, etc. Lb. 5c., 10 lbs. 45c., 25 lbs. 85c., 50 lbs. \$1.50, 100 lbs. \$2.50, 167 lbs. \$3.75. Quick acting.

**BONEMEAL, RAW (3.7-48).** Will not burn. Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for greenhouses or any purpose where a high class, slow acting fertilizer counts. Lb. 5c., 10 lbs. 45c., 25 lbs. 85c., 50 lbs. \$1.50, 100 lbs. \$2.50, 167 lbs. \$3.75. Slow acting.

**BONE FLOUR.** Finely pulverized and bolted. Effective immediately. For Rose growing this cannot be excelled. Rich in phosphoric acid and ammonia. Lb. 10c., 3 lbs. 25c., 5 lbs. 40c., 10 lbs. 75c., 25 lbs. \$1.25, 50 lbs. \$2.25, 100 lbs. \$4.00.

**COW MANURE, SHREDDED** (Wizard Brand). For garden, lawn and greenhouse, and especially good to mix with compost. 2 lbs. 15c., 5 lbs. 30c., 10 lbs. 50c., 25 lbs. \$1.00, 50 lbs. \$1.50, 100 lbs. \$2.75, 500 lbs. \$13.00, ½ ton \$24.00, ton \$46.00.

**COTTON SEED MEAL.** Very rich in potash and ammonia. Lb. 6c., 10 lbs. 50c., 25 lbs. \$1.00, 50 lbs. \$1.75, 100 lbs. \$3.00.

**DRICONURE.** The desirable lawn and garden top dressing and soil conditioner consisting of dehydrated cow manure and other organic materials. 5 lbs. 40c., 10 lbs. 75c., 25 lbs. \$1.50, 50 lbs. \$2.50, 100 lbs. \$4.50, ½ ton \$39.00, ton \$75.00.

**FAIRWAY V. C. IMPROVED GRASS FOOD.** The most complete grass food made. Use it to have a healthy, dark green lawn. Analysis 8-6-5. Contains 1000 to 1200 lbs. organic material per ton, which decomposes into humus, increasing the water holding capacity of the soil and promoting its condition. It is easily spread, clean and odorless. 25 lbs. \$1.50, 100 lbs. \$4.00.

**F. & I. FERTILIZER and INSECTICIDE.** A ground, tobacco-base fertilizer and insecticide containing fine particles for dusting. F. & I. quickly stimulates healthy growth and protects plant life against insect pests. Lb. 5c., 100 lbs. \$2.75.

**FEROGEN.** Spring and Summer ground dressing and soil stabilizer. Particularly for Roses. Lb. 75c., postpaid 90c.; 2 lbs. \$1.25, 5 lbs. \$2.75, 10 lbs. \$4.75, 25 lbs. \$11.00.

**FLORANID (UREA).** Like Nitrophoska but contains 46 per cent nitrogen. Used for rapid growth, richer color of foliage and brilliancy of bloom. Lb. 25c., 5 lbs. 90c., 10 lbs. \$1.50, 25 lbs. \$2.75, 50 lbs. \$4.75.

**GYPSUM or LAND PLASTER.** Intensifies the color of Roses, other flowers as well. Used for top dressing newly plowed land prior to harrowing; also for sweetening the soil on lawns and fields. Apply 1000 to 1500 lbs. per acre. 10 lbs. 40c., 25 lbs. 60c., 50 lbs. \$1.00, 100 lbs. \$1.75, 200 lbs. \$2.50.

**HYPER-HUMUS (Leafmold).** Fine for lawns, replanting and repotting. Lb. 5c., 10 lbs. 40c., 50 lbs. \$1.50, 100 lbs. \$2.25, 500 lbs. \$10.00, 1000 lbs. \$15.00.

**KAINIT (Potash Salts).** Fine for Asparagus. Lb. 5c., 10 lbs. 45c., 25 lbs. 85c., 100 lbs. \$2.00.

**LIME, HYDRATED or POWDERED.** Promotes growth and gives the grass a rich color. Apply 1 ton per acre on fields, or ½ ton on lawns. 5 lbs. 20c., 10 lbs. 30c., 50 lbs. 60c., 100 lbs. \$1.00, 500 lbs. \$4.50, 1000 lbs. \$8.75, ton \$16.50.

**LOMA.** Beautifies lawns, vegetable gardens, flowers, potted plants, fruit and shade trees. It is rich in nitrogen, phosphate, potash and other plant nourishment. Clean, odorless and easy to apply. Lb. 15c., 5 lbs. 50c., 10 lbs. 85c., 25 lbs. \$1.50, 50 lbs. \$2.50, 100 lbs. \$4.00.

**MUM MANURE (Smith's).** Give your plants a quick start. A perfect food for chrysanthemums and other flowers, under glass or in the garden. 50 lbs. \$2.75, 100 lbs. \$5.00.

**MURIATE OF POTASH.** Apply 100 to 150 lbs. per acre, usually with other fertilizers. Excellent for Potatoes, Corn, grains, etc. Analysis, equal to 50 percent actual potash. Lb. 10c., 3 lbs. 25c., 5 lbs. 40c., 10 lbs. 75c., 100 lbs. \$3.50.

**NITRATE OF SODA.** Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form dilute 2 ozs. to 1 gal. of water and do not apply oftener than twice a week. Lb. 10c., 3 lbs. 25c., 5 lbs. 40c., 10 lbs. 65c., 25 lbs. \$1.00, 100 lbs. \$2.75.

**NITROPHOSKA.** New air-nitrogen fertilizer. Analysis, 15-30-15. Clean as sugar. Lb. 25c., 5 lbs. 90c., 10 lbs. \$1.50, 25 lbs. \$2.75, 50 lbs. \$4.75; larger quantities quoted on application.

**PLANTABBS (FULTON'S).** Odorless plant food tablets. Use them for beautiful gardens and lovely house plants. 30 tablets 25c., 75 tablets 50c., 200 tablets \$1.00, 1000 tablets \$3.50, all postpaid.

**PEAT MOSS (Granulated).** The ideal mulch for most flowers, plants, shrubs, trees, lawns, etc. Absolutely odorless. Keeps weeds down to minimum, makes beds look attractive. Full size bale containing 20 to 22 bushels when loosened \$2.50, ½ bales \$1.50, baby bales \$1.25, bus. 60c., peck 25c.

**REVIVO.** Prevents crab grass, stunts growth in other weeds, kills grubs and fertilizes, making finer lawns. 10 lbs. 80c., 25 lbs. \$1.75, 100 lbs. \$5.00, 500 lbs. \$22.50. Not mailable.

**RHO-ZA-GROW.** This new soil conditioner and plant food has taken the guess-work out of Rhododendron and Azalea growing. Ask for special circular. 10 lbs. \$1.00, 25 lbs. \$1.75, 50 lbs. \$2.75, 100 lbs. \$4.50.

**SHEEP MANURE (Wizard Brand).** Apply 1000 lbs. per acre. The analysis shows it to be the most perfect balanced plant food. For garden, lawn or greenhouse, nothing surpasses sheep manure. It is clean and easily handled. Gives immediate results. 2 lbs. 15c., 5 lbs. 30c., 10 lbs. 50c., 25 lbs. 85c., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$11.50, ½ ton \$22.00, ton \$42.50.

**SOIL PREP.** Combination fertilizer and soil conditioner. 5 lbs. 30c., 10 lbs. 50c., 25 lbs. \$1.00, 50 lbs. \$1.75, 100 lbs. \$3.00.

**SULPHATE OF AMMONIA.** Lb. 10c., 3 lbs. 25c., 5 lbs. 40c., 10 lbs. 75c., 100 lbs. \$3.25.

**SULPHATE OF POTASH.** Fine for Roses. Lb. 10c., 3 lbs. 25c., 5 lbs. 40c., 10 lbs. 75c., 100 lbs. \$3.50.

**SPHAGNUM MOSS.** For packing plants and growing Orchids. ½ pk. 35c., postpaid 42c.; pk. 50c., postpaid 59c.; bu. \$1.25, postpaid \$1.37; bale, about 3 bus. \$3.25.

**TANKAGE.** 6% nitrogen. Lb. 10c., 5 lbs. 40c., 10 lbs. 60c., 25 lbs. \$1.25, 50 lbs. \$2.00, 100 lbs. \$3.50.

**TEROGON.** Autumn-Winter ground dressing and soil disinfectant, particularly good for Roses. Lb. 75c., 2 lbs. \$1.25, 5 lbs. \$2.75, 10 lbs. \$4.75, 25 lbs. \$11.00.

**TOBACCO MEAL (Black Leaf Meal).** We recommend this for a Summer mulch on Rose beds, mixing 200 lbs. with 1 bale of granulated Peat Moss. 100-lb. bags \$1.75.

**TOBACCO STEMS.** For fumigating, mulching and fertilizing. Lb. 5c., 25 lbs. \$1.00, 50 lbs. \$1.50, 100 lbs. \$2.50.

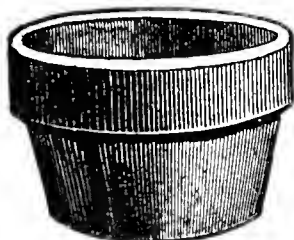
**VIGORO.** A scientifically balanced food ration furnishing all plant life with proper nourishment for maximum growth and beauty. It is clean, odorless and easy to apply. 12 ozs. 10c., 5 lbs. 50c., 10 lbs. 85c., 25 lbs. \$1.50, 50 lbs. \$2.50, 100 lbs. \$4.00.

**WOOD ASHES (Canadian Unleached Hardwood Ashes).** High in potash. Excellent for Roses, grass, etc. Apply in early Spring or late Fall. 1000 lbs. to acre. 5 lbs. 30c., 10 lbs. 50c., 25 lbs. \$1.00, 100 lbs. \$2.50.

**SOIL TESTER, Hellige Improved.** Know what your soil requires before buying fertilizer; easy to use and accurate. Sent postpaid, \$2.50. Handbook giving full information, 75c.

**EARTHEN-WARE  
FLOWER  
POTS**

Sent by express  
and freight only.  
Packing at cost



	Each	Doz.	100
2 in. ....	\$0.02½	\$0.20	\$1.25
2½ in. ....	.03	.25	1.75
3 in. ....	.04	.30	2.00
4 in. ....	.05	.45	3.00
5 in. ....	.07	.75	5.25
6 in. ....	.10	1.10	7.50
7 in. ....	.16	1.75	13.50
8 in. ....	.25	2.50	18.50
9 in. ....	.40	3.75	27.50
10 in. ....	.50	5.00	35.00
12 in. ....	.90	9.50	70.00
14 in. ....	1.60	16.00	125.00
16 in. ....	3.00	.....	.....

**BULB PANS**

	Each	Doz.	100
4 in. ....	\$0.05	\$0.45	\$3.00
5 in. ....	.07	.75	5.25
6 in. ....	.12	1.25	7.75
7 in. ....	.18	2.00	15.00
8 in. ....	.30	2.75	20.00
9 in. ....	.40	3.75	29.00
10 in. ....	.55	5.50	37.50
12 in. ....	1.00	11.00	82.50

**EARTHENWARE SAUCERS**

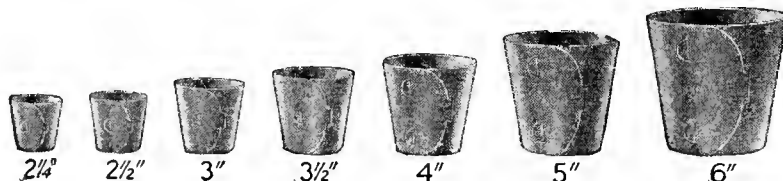
	Each	Doz.		Each	Doz.
4 in....	<b>\$0.04</b>	<b>\$0.40</b>	9 in....	<b>\$0.15</b>	<b>\$1.50</b>
5 in....	<b>.06</b>	<b>.50</b>	10 in....	<b>.18</b>	<b>1.75</b>
6 in....	<b>.07</b>	<b>.65</b>	12 in....	<b>.30</b>	<b>3.00</b>
7 in....	<b>.10</b>	<b>1.00</b>	14 in....	<b>.40</b>	<b>4.00</b>
8 in....	<b>.12</b>	<b>1.25</b>			

**PLANTRAY****Unbreakable Rubber Flower Pot Saucer**

	Each	Doz.		Each	Doz.
4 in...	<b>\$0.15</b>	<b>\$1.50</b>	Postpaid..	<b>\$0.20</b>	<b>\$1.60</b>
6 in...	.25	2.50	Postpaid..	.30	2.60
9 in...	.40	4.00	Postpaid..	.47	4.18

**Bird's IMPROVED  
NEPONSET Flower Pots**

Extensively  
used for  
shipping  
plants,  
starting seeds  
and seedlings.



	Doz.	100	1000		Doz.	100	1000
2 in. ....	\$0.07	\$0.45	\$3.65	3 in. ....	\$0.15	\$0.70	\$5.10
2½ in. ....	.08	.50	3.80	3½ in. ....	.20	.90	6.60
2½ in. ....	.10	.60	4.10	4 in. ....	.25	1.15	8.00
				5 in. ....	\$0.30	\$1.50	\$10.50
				6 in. ....	.40	2.00	14.00

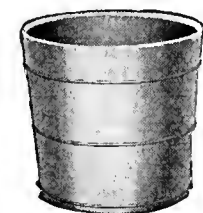
Dozen and  
100 lots,  
postpaid;  
1000 lots,  
add 25c.

**NEPONSET BLACK FLOWER  
POTS**

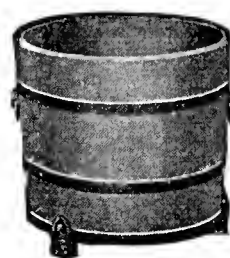
Especially adapted for growing plants. These are made in the same form as the familiar Neponset Red Paper Pot, but the paper has been specially treated with a water-proofing saturation. This treatment gives the paper peculiar properties which are extremely desirable for growing young plants. This makes it possible to take advantage of the full growing period of young plants without retarding root growth. Made in the following sizes:

	Doz.	100	1000
2 in. ....	\$0.10	\$0.60	\$4.25
2½ in. ....	.10	.65	4.45
2½ in. ....	.15	.70	4.90
3 in. ....	.20	.85	5.90
3½ in. ....	.25	1.15	7.75
4 in. ....	.30	1.40	9.00
5 in. ....	.35	1.60	12.00
6 in. ....	.40	2.00	15.50

4 in., 5 in., 6 in., 500 to case for Parcel Post add 25c. for each 500. Dozen and 100 lots, postpaid.



Richmond Style



New York Style

**N. Y. STYLE CEDAR TUBS**

The New York Style tree tubs are made of seasoned selected Virginia white Cedar, and are trimmed with specially designed metal feet, extra heavy flat steel hoops and metal handles. These tubs are painted green. Hoops, handles and feet trimmed black.

	Top	Bottom			
Size	Diam.	Diam.	Depth	Price	Wght.
	In.	In.	In.	Each	Lbs.
No. 1. ....	12	9¾	10⅝	\$2.00	9
No. 2. ....	13	10¾	12¾	2.75	13
No. 3. ....	14½	12⅞	14¾	3.25	15
No. 3½. ....	16½	14½	15¾	4.00	18
No. 4. ....	19⅞	17¼	16⅝	4.50	21
No. 5. ....	22⅞	20¼	18½	6.00	26

**RICHMOND STYLE CEDAR  
TUBS**

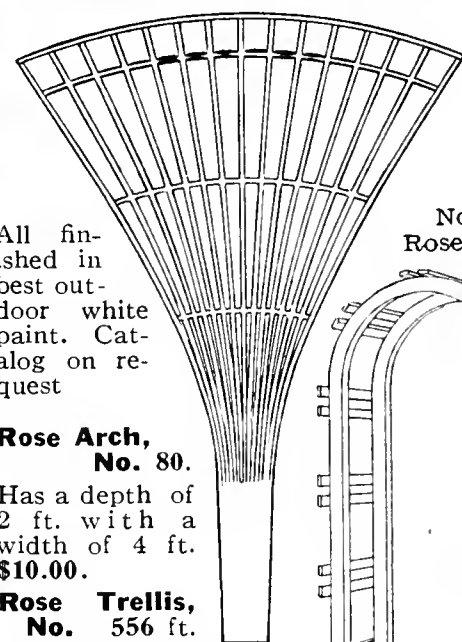
The Richmond Style—similar to the New York Style, but does not have feet or handles.

	Inside	Inside			
Size	top	bottom	Inside	Price	Wght.
	Diam.	Diam.	Depth	Each	Lb.
	In.	In.	In.	Each	Lb.
No. 5. ....	10	7½	9	\$0.60	3
No. 7. ....	12	9	11	.90	4½
No. 9. ....	14	11	13	1.30	7
No. 11. ....	16	12½	15	1.60	9

If wanted by Parcel Post, include postage.

**CEMETERY BOUQUET  
HOLDERS**

5x9 in. .... 25c., postpaid 35c.

**GARDEN FURNITURE**

All finished in  
best out-  
door white  
paint. Cat-  
alog on re-  
quest

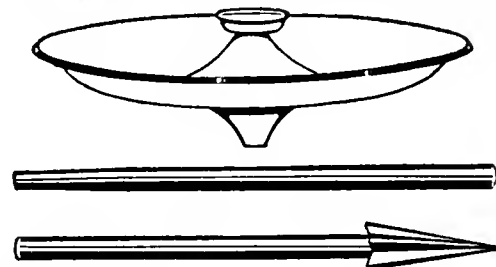
**Rose Arch,  
No. 80.**

Has a depth of  
2 ft. with a  
width of 4 ft.  
\$10.00.

**Rose Trellis,  
No. 556.**

high, over all,  
with 10 ribs and top  
spread of 4 ft. Sturdy  
construction. \$4.00.

**Fan Trellis No. 37**  
6 ft. high over all, with  
5 ribs and top spread  
of 4 ft. \$1.25.

No. 80  
Rose Arch**PORTABLE BIRD BATH AND  
FEEDER**

The bowl with its "center of attraction" food receptacle is of one piece drawn steel, beautifully finished in old ivory enamel baked on and striped with green. The post is of 1 inch heavy steel tubing finished in green enamel baked on. It comes in two sections which telescope together and slip into a socket in the bowl. Lower section has quadruple-pronged solid steel arrowhead spike, easily driven into the ground. Stands firm and steady wherever placed.

Diameter of bowl, 18 inches; height of bath over all, 37 inches. \$2.00, postpaid \$2.15.

**National  
Eezy Wear  
Garden Gloves**

Just the garden  
glove you've been  
looking for! A  
glove specially designed for  
garden wear. Its unique

qualities make it nationally popular with both men and women. All-leather, soft as kid. Dirt-proof, extra pliable. Made from select, imported leather processed to render it extra soft and pliable as well as durable. Gives complete protection from dirt, bruises, scratches and stains—yet allows almost barehand freedom with maximum comfort. Economical and useful the year round for garden, housework, painting, yard, furnace, garage, etc. Keep the hands in "party" condition. Washable. Sizes for women: "Small," "Medium," "Large." For men: "Medium," and "Large." 75c. a pair (2 pairs \$1.40), postpaid.

**Success  
Flower  
Boxes**

The Success Plant Box is made of strong, galvanized iron, neatly enameled in dark green. It is so constructed that the watering is easy, the drainage ample, the air circulation perfect. Plants thrive wonderfully in these boxes. For window or porch use they are ideal, as unless excessively over-watered, there is no drip. No staining of paint or disfiguring in any way.

Length	Width	Depth	Each	Postpaid
24 in.	8½ in.	6¼ in. ....	\$1.25	\$1.35
30 in.	8½ in.	6¼ in. ....	1.50	1.65
36 in.	8½ in.	6¼ in. ....	2.25	2.40



**POT AND TREE LABELS—ALL PAINTED**

We do not furnish plain labels; they are not satisfactory. Markings are too easily obliterated.

Width	100	P.P. Wght.	500	1000	P.P. Wght. Per 1000
4 in. x $\frac{5}{8}$ in. pot.....	\$0.30	$\frac{1}{2}$ lb.	\$1.15	\$2.00	3 lbs.
5 in. x $\frac{5}{8}$ in. pot.....	.35	$\frac{1}{2}$ lb.	1.25	2.20	4 lbs.
6 in. x $\frac{5}{8}$ in. pot.....	.40	$\frac{3}{4}$ lb.	1.50	2.50	5 lbs.
10 in. x $\frac{5}{8}$ in. pot.....	.75	1 lb.	2.50	4.00	10 lbs.
12 in. x $\frac{5}{8}$ in. pot.....	.90	2 lbs.	3.00	5.00	12 lbs.
8 in. x $\frac{7}{8}$ in. garden.....	.75	2 lbs.	3.00	5.00	9 lbs.
10 in. x $\frac{7}{8}$ in. garden.....	.90	2 lbs.	3.50	6.00	10 lbs.
12 in. x $1\frac{1}{8}$ in. garden.....	1.00	3 lbs.	4.50	8.50	12 lbs.
$3\frac{1}{2}$ in. copper wire tree....	.35	$\frac{1}{2}$ lb.	1.20	2.20	4 lbs.

**HAAS LIFETIME FLOWER MARKER**

(Fig. 1)

Copper construction celluloid inset, fine support made of pressed steel, will not rust, 18 in. high over all. Support not shown in cut. Will last indefinitely.

Doz. \$1.50, postpaid \$1.58;  
100 \$10.00, postpaid \$10.16

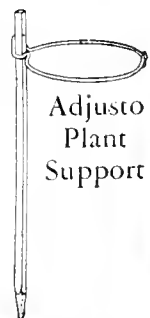


Fig. 1

**Timesaver Plant Support**

A long lived, low priced, completely adjustable support, all metal parts being galvanized; tie end is green, can be adjusted as to height and size of loop almost instantly and is practically hidden by the foliage of the plant it supports. There is a proper size for anything in your garden needing support.

	Doz.
No. 2—3 ft....	\$1.15
Postpaid....	1.25
No. 3A—4 ft....	2.20
Postpaid....	2.35
No. 4—5 ft....	2.75
Postpaid....	2.95



Adjusto Plant Support

**ADJUSTO PLANT SUPPORT**

Adjusto Plant Supports comprise a square, sturdy hardwood stake equipped with a patented adjustable wire loop. Doz., 3 ft. \$2.10, 4 ft. \$2.40, 5 ft. \$2.70, 6 ft. \$3.00. For postage, add 15c., 25c., 30c. and 40c.

**Stakes without Loops.** Doz. 3 ft. 90c., 4 ft. \$1.20, 5 ft. \$1.50, 6 ft. \$1.80. For postage, add 10c., 20c., 25c. and 35c.

**Extra Wire Loops.** Doz. \$1.20, postpaid \$1.30

**GARDEN REELS**

Every gardener should have one of these handy reels. Straight rows add greatly to the looks of the garden. These reels are made of heavy iron and will last a lifetime. \$1.25, postpaid \$1.35.

**Garden Line,** 150 ft. 50c., postpaid 55c

**GALVANIZED STEEL WIRE STAKES**

	Doz.	Postpaid	100	Postpaid
2 ft.....	\$0.25	\$0.33	\$1.25	\$1.32
3 ft.....	.40	.48	2.00	2.20
4 ft.....	.50	.60	2.50	2.75
5 ft.....	.65	.75	3.00	3.30

**SIMPLEX GREEN WEATHERPROOF LABELS**

Prices, including copper wire for attaching and steel stylus for marking:

No. 31—3 x  $\frac{1}{2}$  in. .... 100 \$2.50 postpaid

**SIMPLEX GREEN WEATHERPROOF ROCK GARDEN LABELS**

Like above, less wire and pointed on one end, for inserting in ground. The dark green color renders the label itself inconspicuous among closely planted, small or low growing varieties, but the white lettering is very clear and easy to read.

Prices, including Steel Stylus for Marking:  
No. 51—4 x  $\frac{5}{8}$  in. .... 100 \$3.00, postpaid  
Simplex Steel Stylus. Each 20c., postpaid

**TWINES, RAFFIA, ETC.**

**White Cord.** 3-ply, 4-ply, 6-ply.  $\frac{1}{2}$  lb. balls. Lb. 50c., 10 lbs. \$4.50, 25 lbs. \$10.00.

**Jute Twine.** 3-ply and 2-ply. Lb. 30c., 10 lbs. \$2.50, 25 lbs. \$6.00.

**Binder Twine.** Standard. Ball 5 lbs. 60c.

**Fodder Twine or Tarred Sisal.** Lb. 15c.

Quantity prices furnished on application.

**Plow Lines.** Pair, Sisal 50c., postpaid 58c.

**Garden Line.** 150 ft. of good cotton line. 50c., postpaid 55c.

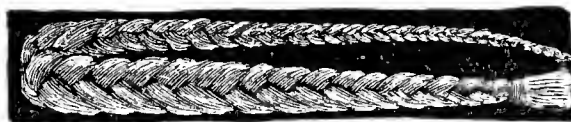
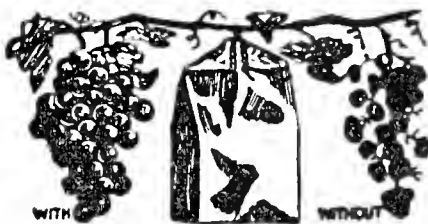
**RAFFIA**

Fig. 21

Fig. 21. For tying Asparagus and anything in the garden. Lb. 30c., postpaid 37c. Hanks contain about 1 lb.; 5 lbs. or more at 25c. lb. Special price on larger quantities. Postage extra.

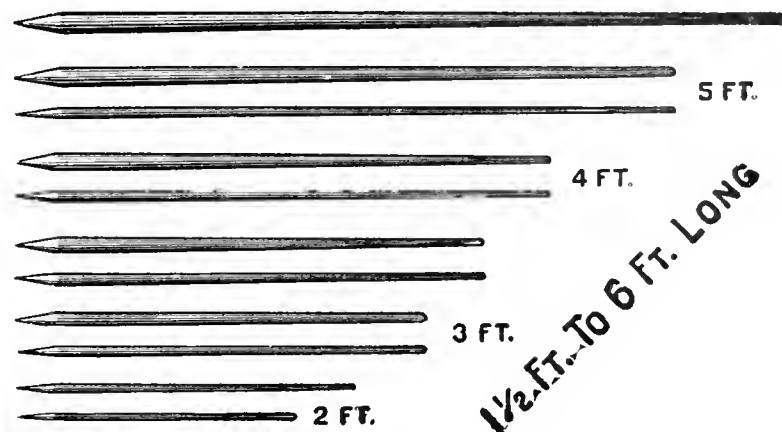
**Green Raffia.** .... Lb. 85c., postpaid 92c.

**Red Tape** for tying Asparagus. 1000 yards \$2.50, postpaid \$2.60.

**GRAPE PROTECTING BAGS**

If put on during the period when grapes are forming they will save many times their cost in the amount of fruit they will save from insects, rot, birds, etc. All ready to fasten.

**No. 2.** The right size for our domestic Grapes. Doz. 10c., 100 50c., 1000 \$4.25. Prices on larger bags on application. Parcel post weight, 2 lbs. per 100, 15 lbs. per 1000.

**GREEN PAINTED ROUND PLANT STAKES****HEAVY PLANT STAKES**

	Each	Doz.	100
3 ft., Heavy or Dahlia....	\$0.12	\$1.15	\$8.60
4 ft., Heavy or Dahlia....	.15	1.55	11.40
5 ft., Heavy or Dahlia....	.20	2.25	14.60
6 ft., Heavy or Dahlia....	.25	2.50	17.90
Postpaid prices Doz. 3 ft. 10c., 4 ft. 12c., 5 ft. 14c., 6 ft. 16c. extra			

**LIGHT PLANT STAKES**

	Each	Doz.	100
1½ ft., Light.....	\$0.03	\$0.25	\$1.50
2 ft., Light.....	.04	.40	2.80
2½ ft., Light.....	.06	.60	4.10
3 ft., Light.....	.08	.75	5.40
Parcel Post prices, Doz.: 1½ ft. 7c., 2 ft. 7c., 2½ ft. 8c., 3 ft. 9c. extra			

**BAMBOO PLANT STAKES**

Painted Green	Doz.	P.P.	100	P.P.	Not P.P. 1000
2 ft....	\$0.10	\$0.15	\$0.50	\$0.58	\$3.00
3 ft....	.15	.22	.70	.81	5.00
4 ft....	.20	.27	.90	1.12	6.50
5 ft....	.25	.32	1.10	1.23	7.50

Not painted  
6 ft..... .30 .38 1.25 1.42 10.00  
4 ft., not painted, tonkin, for Dahlias. Doz. 40c., postpaid 50c.; 100 \$3.00 not postpaid.  
5 ft., not painted, tonkin, for Dahlias. Doz. 50c., postpaid 60c.; 100 \$4.00 not postpaid  
6 ft., not painted, tonkin, for Dahlias. Doz. 65c., postpaid 75c.; 100 \$5.00 not postpaid

**POINTED FLORAL OR HYACINTH STAKES**

Used for Staking Hyacinths, Tulips, etc. Dyed Green

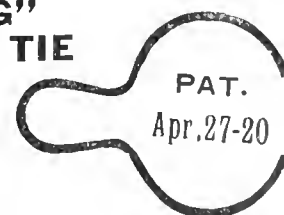
12 in., doz. 7c., 100 35c., 1000 \$2.00.
18 in., doz. 8c., 100 50c., 1000 \$3.00.

**TIMESAVER SWEET PEA AND VINE TRELLIS**

Dimensions 5 ft. x 5 ft. over all. Stands about 4 ft. above ground when placed. Frame made of  $\frac{1}{4}$  in. galvanized cold drawn steel. green, non fade rope center. Full directions for setting up accompany the trellis which comes packed 1 in a package or carton. Each \$2.25, postpaid \$2.36.

**"LIGHTNING" WIRE PLANT TIE**

For fastening plants to stakes, either wire or wood. Can be used many times.

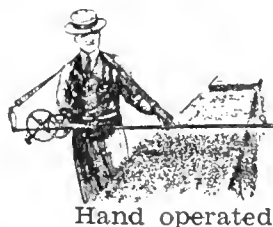


1000 ties in a package. \$2.25, postpaid \$2.32  
100 ties in a package. 35c., postpaid 40c.

**EUREKA STAKE FASTENERS**

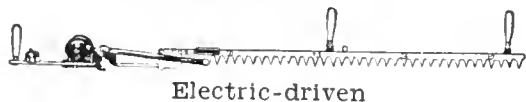
1000..... \$2.00, postpaid \$2.08  
100..... 25c., postpaid 30c.

## "LITTLE WONDER" HEDGE TRIMMERS



Hand operated

### Electric and Hand Models



Electric-driven

### Hand Models

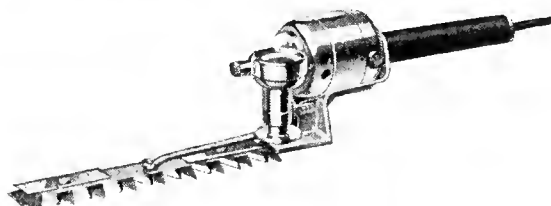
30 in.....	\$25.00
40 in.....	27.50
60 in.....	35.00
Side cutting carriage.....	4.50

### Electric Models

Sizes, 27 in., 36 in. and 60 in.

Prices on request. Ask for full descriptive circular.

## DUMORE ELECTRIC HEDGE TRIMMER



This modern and efficient device provides more uniform and consistent hedge beauty, at a distinct saving in time, labor and expense. Great care has been taken to provide perfect balance and lightweight, making it easy to trim the hedge from any position or angle. Manipulated in one hand, it is suitable for horizontal and vertical trimming. The Dumore Trimmer is equipped with a light but dependable Dumore motor that operates on either A. C. or D. C. current. A convenient switch furnishes instant control. This trimmer will cover any area of hedge in half the time required by tedious hand methods. The entire unit with 3 ft. of rubber covered extension cord.....

30 ft. of rubber covered extension cord fitted with separable plug.....	2.00
50 feet of rubber covered extension cord fitted with separable plug.....	3.25
100 ft. of rubber covered extension cord fitted with separable plug.....	6.00

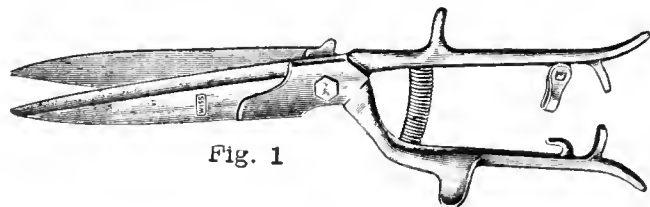
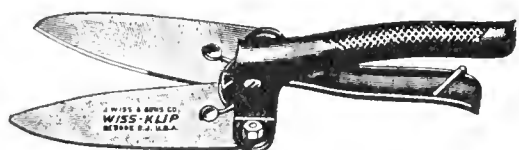


Fig. 1

**No. 600 Wiss Grass Shear.** Best quality with offset handles. Fig. 1.....\$1.25

**No. 90** Very much like above..... .75



## THE NEW WISS-KLIP GRASS SHEARS

These new style "Wiss-Klip" Grass Shears are equipped with adjusting nuts and swinging shackle which enables the blades to be spread apart for resharpening. For resharpening loosen one nut, swing back shackle and spread blades apart.

**No. 700**—Length over all 12 in.....\$1.25

All above postpaid.

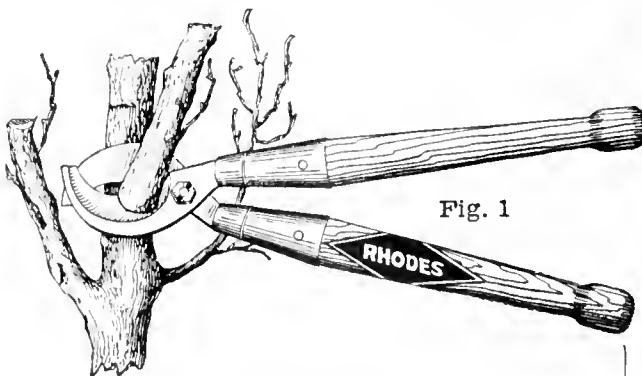


Fig. 1

## RHODES DOUBLE-CUT LOPPING SHEARS

**Fig. 1.** For trimming trees, bushes, heavy shrubbery, etc. Makes an absolutely clean, perfect cut; 26 in. handle. \$3.50. Parcel post weight, 5 lbs.

**"Keen Kutter" Pruning Shears.** Curved blade and hook. Forged steel; polished and tempered, ratchet tightening knot; extra heavy and long steel ferrules; handles riveted through ferrules and tang; 24 in. hardwood handles. \$2.50. Parcel post weight, 4 lbs.

**Pruning Knife No. 1.** Wood handle. \$1.00, postpaid.

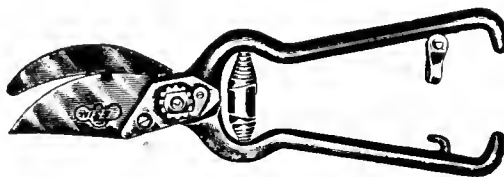
**Budding Knife No. 778W.** American make, 1 blade white handle. \$1.00, postpaid.



Fig. 8

**Pruning Saws.** Made of the very best material, either double or single cuttings edge. \$2.00. Fig. 8. Weight 2 lbs.

**The Rhodes Pole Paragon Pruning Saw.** For cutting large limbs high up; adjustable to any angle; 10 ft. pole. \$3.50, express or freight.



## HAND PRUNING SHEARS

All Postpaid

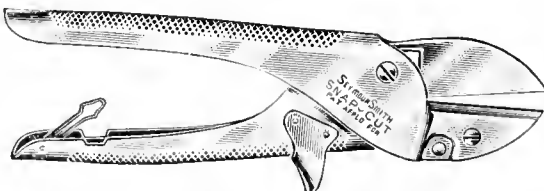
**No. 109 Wiss Hand Pruner.** Strongest and best pruner made. \$3.00.

**No. R-70-9.** 9 in., similar to illustration, with adjusting nut and regulating ratchet, steel blades of extra quality steel. \$1.50.

**No. 50.** 9 in., a good pruner. 75c.

**No. 145G.** 6 in. Ladies' pruner; full polished. \$1.00.

**No. C-4.** 7½ in. Wiss flower thinning shear. Used in cutting flowers, grapes, fruit, etc. \$1.35.



**Snap Cut Pruner.** An improved easier cutting pruner. \$1.50. Ladies size, \$1.25.

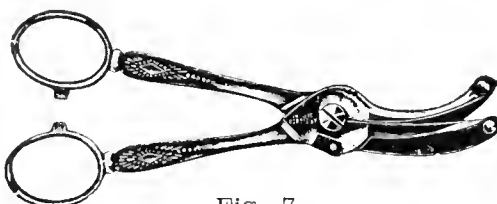
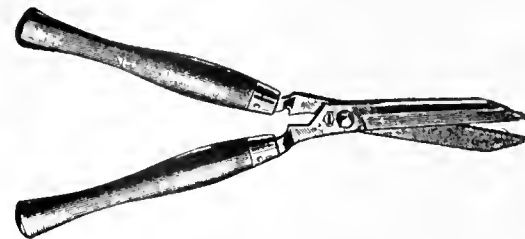


Fig. 7

**Flower Scissors.** Imported, full polished. Fig. 7, \$2.75.

**F. H. 2.** Nickel finished, sure to hold flower after being cut. \$2.00.

**F. H. 2-G.** Finished in green. \$1.00.



## WISS HEDGE SHEARS

Postpaid

These shears are made to meet the demand for a better balanced, easier cutting and more durable hedge clipper. 8, 9 and 10 in. furnished with wood or steel handles.

6½ in...Each	\$2.00	8 in....Each	\$2.50
7½ in...Each	2.25	9 in....Each	3.00
10 in.....Each	\$3.30		

**Solid Steel Hedge Shears.** All equipped with notch; the notch is very useful in heavy trimming or lopping. Handles bolted on, cannot come apart. Prices postpaid.

8 in.....	\$1.50	10 in.....	\$2.00
9 in.....	1.75	12 in.....	2.50

**Ladies' Hedge Shears.** 5½ in. cut. \$1.00, postpaid.

**Lawn Shears, Imported.** Two wheels, 9 in. blade, long handle for cutting on narrow borders, under fences and shrubs. \$4.50. Parcel post weight, 5 lbs.

**Doo-Klip.** Long handle grass shear. A modern tool. Eliminates backache, leg cramp, and stooping. Rustproof construction. \$2.50, postpaid \$2.65.

**Border Shears.** Same as above, but the blades are shaped vertical for trimming borders. \$4.25. Parcel post weight, 5 lbs.

## TREE PRUNERS

Express or freight only

Made of best material.  
10 ft.....\$2.50  
12 ft..... 2.75  
Not available.

**Rhodes Long-Handled Pruner.** 10-ft. handle; equipped with pulley. \$7.00.

**Telegraph Tree Pruner.** To be attached to pole. \$1.50, postpaid \$1.60.

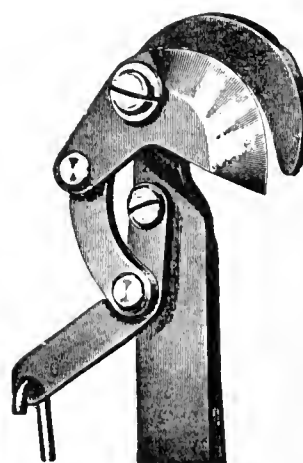


Fig. 24

**Jointed Pole Tree Trimmer.** Fig. 24. 12 ft. long, can readily be transformed to 8 ft. trimmer; made of the best material; very strong. \$6.00. Parcel post weight, 8 lbs. Extra blades, each 40c.

**No. 1 Tree Trimmer.** No. 1 has a compound lever head and is made with a hook and side lever. It is calculated for light and heavy work and will cut a limb up to 1¼ in. in diameter.

6 ft.....	\$5.50
8 ft.....	5.80
10 and 12 ft.	6.45
14 ft.....	6.80
16 ft.....	7.20
Express or freight only.	



No. 1 Head in Detail



# M.-S. LAWN AND GARDEN ACCESSORIES

**No. 3 Wheelbarrow.** A durable, neat garden barrow. Size of body 26 in. long, 19 in. wide in front, 22 in. wide at back. Sideboards, 27 in. long, 12 in. high; handles, 58 in. long; 2x1½ in. wheel; 20 in. diameter. \$7.00. Boys or ladies' size \$6.00. Farm size \$9.00.

**Steel Tray Barrow No. 15A.** Hardwood handles, capacity 3½ cu. ft. \$7.50.

**No. 16A.** Same size as above but all steel construction. \$8.50.

**The "Out-U-Kum" Weed Puller.** An entirely new principle. A slight push and pull thoroughly loosens the surrounding soil and removes not only the weed, but the entire root, with little or no clinging soil.

65c., postpaid 75c.

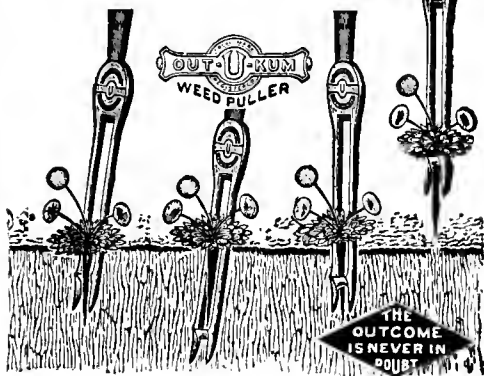


Fig. 17

**Asparagus Knife.** Which makes a fine weeder as well. Fig. 17. 40c., postpaid 47c.

**Lang's Hand Weeder.** Handiest tool on earth. 20c., postpaid 25c.

**Garden Set (Homeland).** Consisting of trowel, weeder and cultivator made of pressed steel, very strong. 50c., postpaid.

**Hazelwood Hand Weeder.** An old favorite and an indispensable tool in the rock garden. 50c., postpaid 55c.

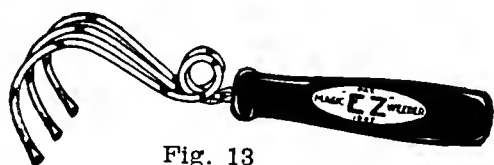


Fig. 13

**Magic "EZ" Weeder.** Fig. 13. No. A 15c., postpaid 22c. No. D, large size, 4-tined with hoe or scraper on back, 45c., postpaid 53c. Style H, 4 ft. handle, 3 heavy tines and blunt blade, \$1.10, postpaid \$1.20. Style K, 4 ft. handle, 3 heavy tines and V-blade \$1.10, postpaid \$1.20.

**Kneeling Pads.** Found most convenient and serviceable for many uses, in gardening and housekeeping. Made of best Para rubber. 50c. postpaid.

**Eureka Garden Weeder.** Fig. 11. 40c., postpaid 47c. Same with 2 ft. handle 50c., postpaid 58c. 4 ft. handle 60c., postpaid 73c.

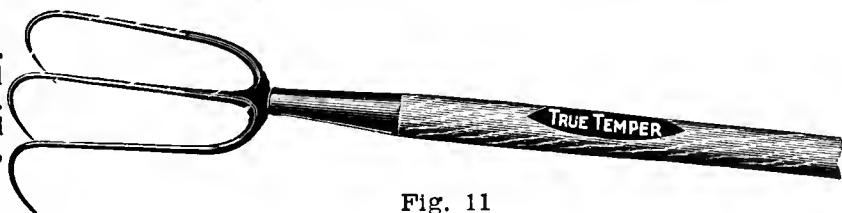


Fig. 11

No. 3 Garden Wheelbarrow

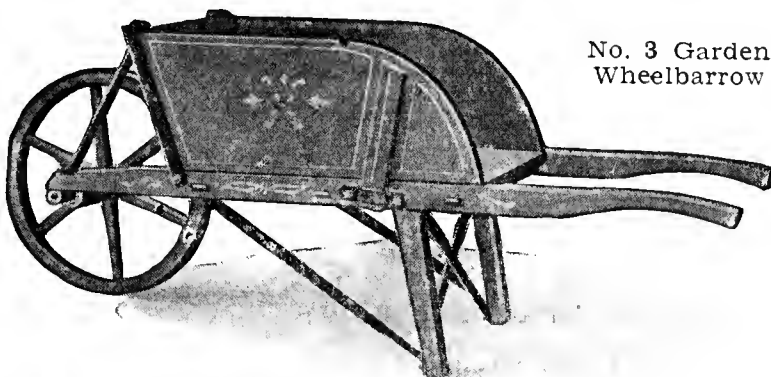


Fig. 21

**Steel Trowel.** Fig. 21. Drop shank, best made. 80c. Straight shank 80c., either 90c., postpaid.



Fig. 22

**No. 212 One-piece Trowels.** Fig. 22. 35c., postpaid 55c.  
**No. 215 6-in. Trowel.** 25c., postpaid 30c.



Fig. 19

**Transplanting Trowels.** Fig. 19. 20c., postpaid 25c.

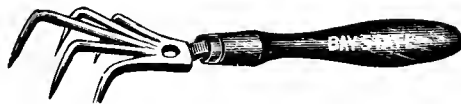


Fig. 15

**Excelsior Weeder.** Fig. 15. 20c., postpaid 25c.



Fig. 24

**Garden Fork or Weeder.** Fig. 24. 45c., postpaid 52c.



Fig. 23

**English Weeding Fork.** Fig. 23. Solid steel. Note convenient handle. 75c., postpaid 82c.

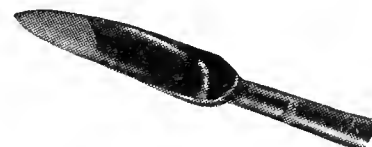
**Cleveland Weed Puller.** Fig. 10. Valuable for extracting weeds from the lawn. \$1.00, postpaid \$1.08.



Fig. 20

**Dibbles.** Bent wood handle. Fig. 20. 65c., postpaid 73c.

**D Handle Dibble.** 85c., postpaid 93c.



**Planet Jr. Lifetime Bulb Trowel.** 50c., postpaid 60c.



**Planet Jr. Lifetime Trowel.** 50c., postpaid 60c.



**Planet Jr. Lifetime Weeder.** 50c., postpaid 60c.



Fig. 10



**Sure-Grip Weed Puller.** Has no equal for pulling weeds of all sizes. It is the only weeder made that will pull very small weeds without mutilating the lawn. Speedy in operation as it automatically releases the weed as soon as pulled. It will not clog. Fitted with a 38 in. handle. \$1.00, postpaid \$1.10.

**Kut-M-Off Weeder.** This weeder meets the demand for a cheap and practical tool for cutting off Dandelion and other weed roots. It is strong and well made. It is more efficient than anything of similar nature now on the market. Fitted with 42 in. natural handle. 50c., postpaid 60c.

# M.-S. FARM AND GARDEN TOOLS

Where Postpaid Rate is not mentioned, add 15c. to each tool

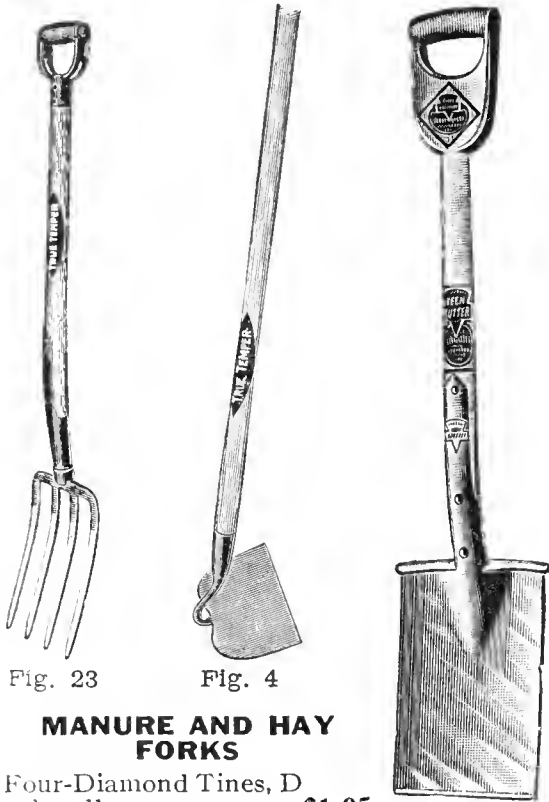


Fig. 23

Fig. 4

## MANURE AND HAY FORKS

- Four-Diamond Tines, D handle.....\$1.95  
 Five Diamond Tines, D handle..... 2.50  
 Four Oval Tines, D handle.....\$1.75  
 Five Oval Tines, D handle..... 2.50  
 Four Tine, long handle..... 1.15  
 Three Tine Hay Forks..... 1.30

## SPADING FORKS

- Four Tine, D handle, regular.....\$1.30  
 Four Tine, D handle, English..... 1.95

## HOES

- 6½ inch blade.....\$0.80  
 7½ inch blade..... .80  
 One Prong Weeding..... .60  
 Two Prong Weeding..... .65  
 Heart-shaped..... 1.00  
 Ladies' Floral..... .80  
 Heavy Grubbing, D. E. 38..... 1.00  
 Potato Hook or 4 Prong Hoe..... .90

## SHOVELS

- Round Point, long handle.....\$1.50  
 Round Point, med. long handle (Ladies') 1.20  
 Scoop D handle, wide mouth..... 1.80  
 Scoop D handle, narrow mouth..... 1.75

## SPADES

- Heavy Nursery, D handle.....\$4.25  
 Standard Garden..... 1.50  
 Turfing Sod Lifter..... 1.75  
 Dock Cutter..... 1.50

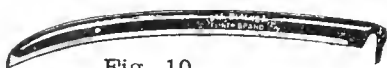


Fig. 10

- Scythes, Grass.** English Waldron, 36 and 38 in. long. Either size, \$2.60.  
**Scythes, Grass.** 30, 32 and 34 in. long. Fig. 10. \$1.50.  
**Scythes, Weed and Bush.** 18, 22, 28 in. long. \$1.60.  
**Scythes, Grass.** Imported. Riveted back. 32, 34, 36 in. \$2.75.  
**Snaths No. 50.** Special railroad, extra heavy construction with swing plate; has a heavy loop bolt. **No. 55,** solid plate. \$1.50, either style.  
**Whetstones.** Carborundum, 35c.  
**Talacre Stone.** Each 25c.

For postage, add 7c. to each



**SPEEDY CULTIVATOR.** Cuts in half the time of cultivating. Makes it a pleasure. 90c., postpaid \$1.00



## GRASS HOOKS or SICKLES

**Long Handle Grass and Weed Sickle.** Light, strong, durable. The blade 13 in. long, 2¼ in. wide at the heel, is made of crucible steel, oil tempered and sharpened to a razor edge. \$1.25, postpaid \$1.33.

**Lawn Queen Grass Hook.** Fully polished best material, detachable handle. \$1.00, postpaid \$1.10.

**No. 2 English Grass Hook.** Riveted back. 75c., postpaid 85c.

**Nowatoco Grass Hook.** Best steel. 75c., postpaid 85c.

**German Grass Hook No. 2.** Very durable; good material. 40c., postpaid 50c.

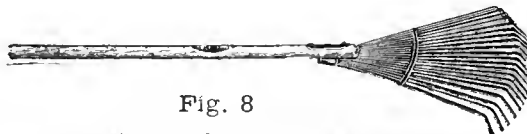


Fig. 8

## TRUE TEMPER BROOM RAKE

A general outdoor broom for lawns, gravel paths and gardens. Is a practical necessity for every residence. 75c., postpaid 85c. Fig. 8.

## YAMADA BAMBOO METAL-GRIP LAWN RAKE

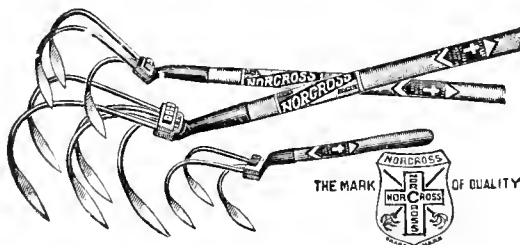
Not the old flimsy kind. Made to last. 18 in. 75c., 24 in. \$1.25, 30 in. \$1.75.

*The Lawncomb*



## THE LAWNCOMB—Guaranteed unbreakable

Light, strong, flexible, unequaled for cleaning lawns. 18 in. 75c., 24 in. \$1.00.



## NORCROSS CULTIVATORS AND WEEDERS

Three sizes and prices. 5-pronged, 4 ft. handle \$1.00, 3-pronged, 4-ft. handle 80c. "Midget," 9-in. handle 50c., postpaid \$1.15, 90c. and 60c.

## GARDEN TOOL SET

**True Temper Ladies' and Children's.** Fig. 9. Not toys, but tools that will do and stand the work.

\$2.50. Single tools: Shovel 75c., Rake 45c., Hoe 70c., Spading Fork 85c.; postpaid, Set \$2.70.

For separate tools, add 10c. each.



Fig. 9



Fig. 6

**Rake, True Temper.** Bow pattern. Fig. 6. 14-tooth. \$1.00.

**Rake, True Temper.** Regular pattern, 14 tooth. 90c.

**Rake, Wire Lawn.** Heavily reinforced, best made. 24 teeth 90c., 46 teeth \$1.40.

**Rake, Lawn.** Ole Olsen. All wood, 26 teeth. 75c.

**Rake, Leaf.** All wood, 24 teeth, 3 steel braces 90c.

**Gumfinger Lawn and Leaf Rake.** The teeth are live, resilient rubber, stiff enough to rake clean, but flexible enough not to tear or uproot the grass. Rakes cleanly over rough surfaces. The rubber teeth adjust themselves to every irregularity in the ground. 16 in. \$1.00, 20 in. \$1.25, 24 in. \$1.50.



Fig. 18

**Planet Jr. Edger, No. 2.** Fig. 18.

Made of best material, extremely simple and easy to operate. \$1.50, postpaid \$1.60.

**True Temper Turf or Lawn Edger.** For edging walks. \$1.00, postpaid \$1.10.

**Superior Lawn Edger.** If you want a beautiful lawn with its edges neat and trim along the walks get a Superior Lawn Edger. You'll be delighted with the results. Makes trimming a pleasure. \$1.50.

Superior  
Lawn  
Edger

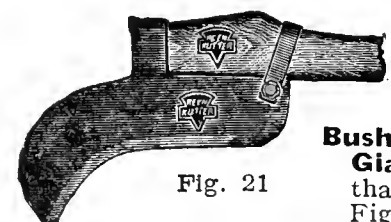
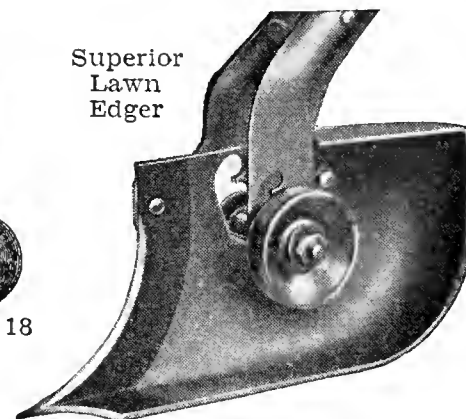


Fig. 21

**Bush Hook**

Best grade.

Fig. 21.

\$1.75.

**Bush Hook, Little**

**Giant.** Lighter

than one shown in

Fig. 21, but with

cutting edge on back. \$1.50.

**Best Grade Pick.** 90c., with handle \$1.35.

**Best Grade Mattock.** \$1.25; with handle \$1.65.

**Mattock, Pick and Ax Handles.** Each 40c., postpaid 50c.

**Best Grade Ax.** Guaranteed article. \$2.00.

**Best Grade Hatchets.** Half pattern. Best quality. Each \$1.50, postpaid \$1.60.



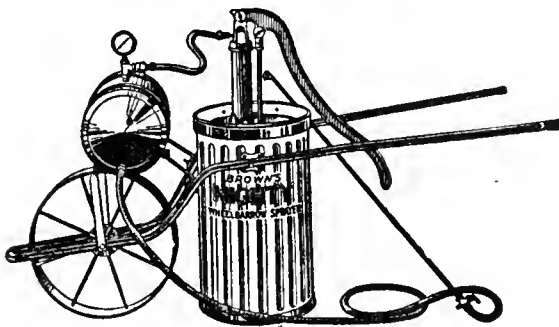
Fig. 15

**Graswip.** The new double edged grass and weed cutter that does away with tiresome stooping. Use it—swing freely and note how rapidly the double edged blade cuts on both the forward and backward stroke. Made of forged tool steel. \$1.00, postpaid \$1.10. Fig. 15.



# SPRAYERS AND NOZZLES

## BROWN'S MIGHTY WHEEL-BARROW SPRAYER



Has 15 gal. capacity and a 250 lb. high pressure air tank with pressure gauge, paddle agitator, 8 ft. hose, 2 ft. 8 in. iron extension and non-clog nozzle. An excellent sprayer for spraying orchards, field crops, gardens, vineyards, lawns and all general spraying. \$35.15. Shipping weight, 112 lbs.

**No. 30D**—Similar to above, less pressure tank, has 12 gal. capacity, 6 ft. of hose and 2 ft. iron extension. \$12.15. Shipping weight, 50 lbs.

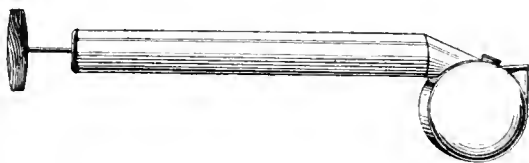


## BROWN'S ACE, Sr. GLASS JAR SPRAYER

A new type continuous atomizer which is more efficient than most continuous atomizers. It is very easy to operate and gives a very fine, penetrating, misty spray. It is invaluable for spraying all sorts of spraying solutions around the home, in the garden, poultry house, dairy barn, etc. Has leakproof valve, brass syphon tube and nozzle. The strong glass jar is of quart capacity and is hexagonally shaped to prevent the sprayer from tipping. The cam locking construction enables the operator to easily fill or empty the container. 70c., postpaid 80c.

**No. 26BG**—Glass tank, continuous spray \$1.10, postpaid \$1.25.

## BROWN'S WHIRLWIND TIN SPRAYER



A strong atomizer made of heavy tin used for all light spraying and disinfecting. The pump of the sprayer is fitted with an oil treated leather cup that lasts more than one season. Pt. size 25c., postpaid 35c.; qt. size, 35c., postpaid 45c.

## RUBBER PLANT SPRINKLERS

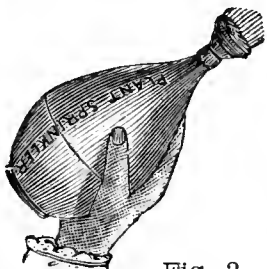


Fig. 2

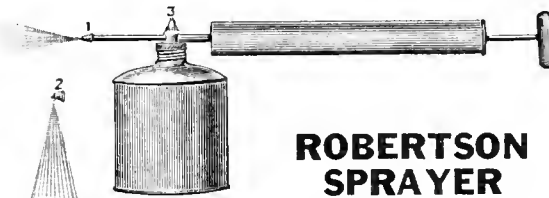


Fig. 3

**No. 28A**—8 oz. angle neck. See Fig. 3. 90c., postpaid 98c.

**No. 28**—Straight neck. See Fig. 2. 90c., postpaid 98c.

**Spray Bulb.** 4 oz. capacity 50c., postpaid 55c.



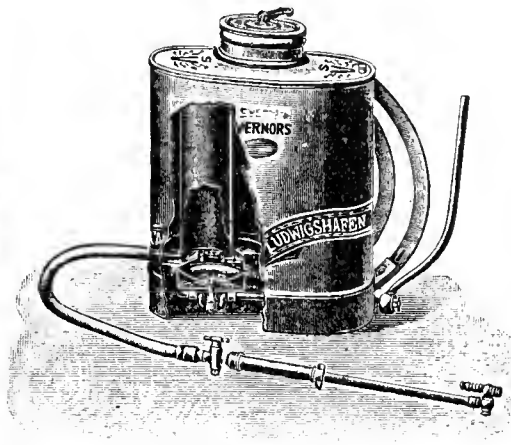
## ROBERTSON SPRAYER

The most efficient hand sprayer ever offered; easy to operate and gives a continuous spray. Both style sprayers have brass tubes and fittings. Standard size having 1 qt. container.

**Tin Pump and Galvanized Iron Container**.....\$1.10  
**Brass Pump and Copper Container** 1.85

If to go by parcel post, add 10c. to each.

## PLATZ VERMORS BRASS SPRAYER



**A product of quality—Compact, durable, efficient**

Having no plunger pump it has no plunger troubles. Its diaphragm pump will supply a sufficient pressure with but little effort. Its working parts are few, making it easy to operate and economical in upkeep. Capacity approximately 4 gals. Net weight 16 lbs. \$20.00. Shipping weight, 28 lbs.

## BROWN'S AUTO SPRAY NO. 9



Sturdy compressed air sprayer. The metal in the tank is lock seamed, well riveted, and soldered throughout. May be obtained with brass or galvanized tank. Brass tank is strongly recommended as it will not rust and will withstand strong solutions. Capacity 4 gals.; for general spraying purposes. 2 ft. extension with each machine.

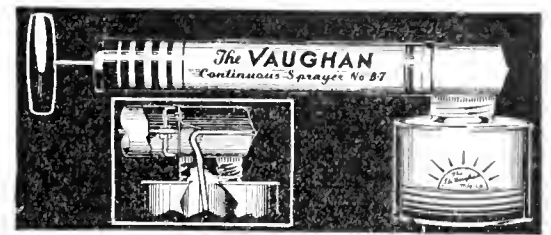
**No. 9-C—Copper tank**.....\$10.00

**No. 9-B—Brass tank**.....8.00

**No. 9-A—Galvanized tank**.....6.75

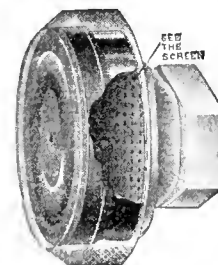
Parcel post, add 18c. to each

## VAUGHAN SPRAYER



**No. B7**—Continuous pressure type, all working parts made of brass. Syphon tube can be cleaned instantly and centers itself automatically upon replacing. Capacity 1 pint. 50c., postpaid 60c.

## SPRAY PUMP ACCESSORIES



Non-Clog Jr. Nozzle

**Non-Clog Jr. Brass Nozzle.** Either straight or 45 degree angle. Each 80c.

**No. E1 Auto Pop Nozzle.** Complete \$1.50.

**No. 136, Bordeaux Nozzle.** 75c.

**No. 149, Leakless Shutoff.** \$1.00.

**No. K1, 2 ft. Brass Extension.** 60c.

**No. L1, Brass Elbow.** 35c.

All Nozzles postpaid

**No. 42, 8 ft. Bamboo.** Price with stop cock (not available) \$3.60.

**No. 44, 10 ft. Bamboo.** Price with stop cock (not available) \$4.00.

**No. 46, 12 ft. Bamboo.** Price with stop cock (not available) \$4.40.

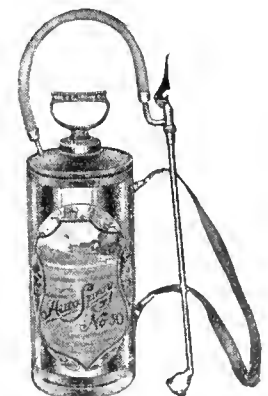
**Spray Hose.** 1/2 in., best made, all rubber. 18c. per ft. postpaid.

1/2 in. **Clamps** for same. Each 5c., doz. 50c., postpaid.

1/2 in. **Hose Couplings.** Pair 25c. postpaid.

1/2 in. **Male Fittings No. 137.** 25c. postpaid.

1/2 in. **Female Fittings No. 137.** 25c. postpaid.



## BROWN'S AUTO SPRAY NO. 50

This sturdy little machine is entirely suitable for spraying on a small scale. It is particularly recommended for use where weight is a factor as when women folk or youngsters help out with the spraying. Built exactly same as our 4 gal. sprayers, except tank is 2 1/2 gal. capacity. 18 in. extension with each sprayer.

**No. 50-B—Brass tank**.....\$8.30

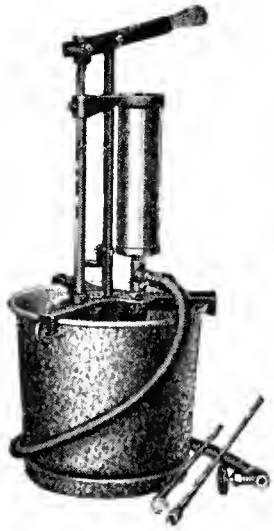
**No. 50-D—Galvanized tank**.....5.60

**No. 79-D—Galvanized tank.** Like above, but lighter construction.....4.00

Parcel Post, add 10c. to each

# PARAGON SPRAYERS

For Spraying Whitewash, Water Paint, Cement Coating, Insecticide

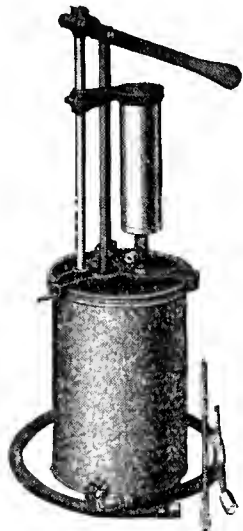


**PARAGON SPRAYER NO. 0**

3½ gallon

Equipment furnished: 4 ft. Special Spray Hose; 3 ft. Spray Pipe; Shutoff Valve; 3 Spray Nozzles.

Complete, \$12.50, postpaid



**PARAGON NO. 1**

6 gallon capacity

Equipment furnished: 5 ft. Special Spray Hose; 5 ft. Spray Pipe, total reach 10 ft.; Shutoff Valve; 3 Spray Nozzles.

\$17.50, postpaid



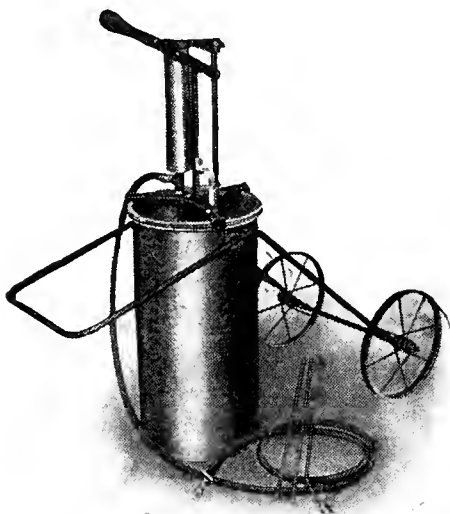
**PARAGON JR.**

Compressed Air Sprayer; Double Tested All Brass Pump; Galvanized Tank, 4 gal. capacity. This is the only Paragon model that does not have the self cleaning feature.

Complete \$6.50, postpaid

**No Straining of Materials Necessary . . . Cleans Automatically**

These 3 sizes f.o.b. Baltimore



**PARAGON SPRAYER NO. 3**

12 Gallon

Equipment furnished: 10 ft. Special Spray Hose; 7½ ft. Spray Pipe, total reach 17½ ft. Shutoff Valve; 3 Spray Nozzles.

Complete with single or 2 wheel truck \$22.50  
Without truck \$19.00



**PARAGON NO. 4**

28 Gallon

Equipment furnished: 20 ft. Special Spray Hose; 10 ft. Spray Pipe; Shutoff Valve; 3 Spray Nozzles.

Complete \$39.50, without wheels \$29.50

**PARAGON NO. 5**

50 Gallon

Has all Brass Pump.

Equipment furnished: 25 ft. Hose; 10 ft. Extension Pipe; Shutoff Valve; 3 Nozzles.

Complete \$45.00



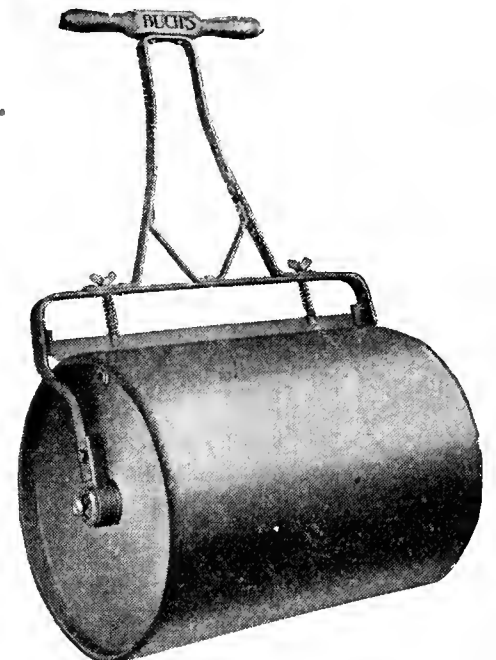
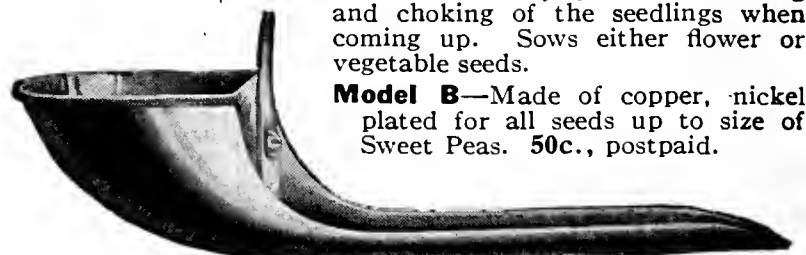
## THE CYCLONE SEED SOWER

Anyone desiring a convenient, practical and all-around, first-class grain and grass seeder, a good, large sower that will meet the most exacting demands, we recommend the Cyclone.

\$2.25 postpaid

## HORN SEED SOWER

\$1.00 postpaid



## M.-S. WATER BALLAST LAWN and TENNIS COURT ROLLERS

**No. 601**—Diam. 14 in., length 24 in. Weight empty, 70 lbs.; filled with water, 175 lbs. . . . . \$12.00

**No. 602**—Diam. 18 in., length 24 in. Weight, empty, 85 lbs.; filled with water, 265 lbs. . . . . 14.50

**No. 603**—Diam. 24 in., length 24 in. Weight, empty, 110 lbs.; filled with water, 420 lbs. . . . . 16.50

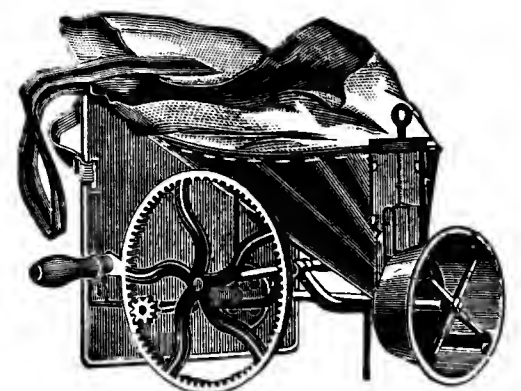
**No. 604**—Diam. 24 in., length 32 in. Weight, empty, 130 lbs.; filled with water, 566 lbs. . . . . 18.50

## CAST STEEL ROLLER BEARING LAWN ROLLER

**No. 501**—Diam. 15 in., 2 sections. Weight 175 lbs.; length 15 in. . . . \$14.00

**No. 504**—Diam. 20 in., 2 sections. Weight 250 lbs.; length 20 in. . . . 18.50

**No. 507**—Diam. 20 in., 2 sections. Weight 300 lbs.; length 24 in. . . . 20.00



## CAHOON SEED SOWER

**Steel Hopper and Gate, Brass Discharger.**  
Sows Timothy, Clover, Oats, Wheat, Rye, etc. \$5.00, postpaid.

## SOWRITE SEED SOWER

Sows seeds at a touch; it scatters seeds individually, prevents crowding and choking of the seedlings when coming up. Sows either flower or vegetable seeds.

**Model B**—Made of copper, nickel plated for all seeds up to size of Sweet Peas. 50c., postpaid.



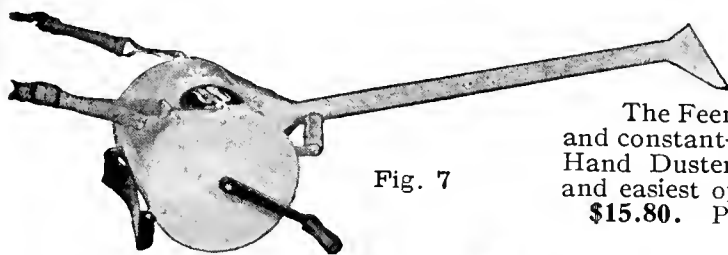


Fig. 7

### FEENY DUSTER MODEL D-2

50 In. long—Hopper holds 2 qts. Extra nozzle for general use

This duster is efficient, durable and easy to operate and reload. It is equipped with extension tubes and special nozzles for dusting upward from underneath plants and vines. It is the approved type for Mexican Bean Beetle. \$2.25, postpaid \$2.35. Fig. 5.

**Model F**—Same as D-2; capacity 1 quart. \$1.25, postpaid \$1.35.

### PLATZ FAMOUS HAND DUSTER

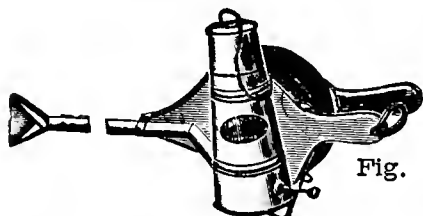
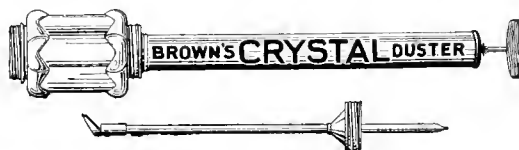


Fig. 6

Its agitator will crush and sift sulphur as well as the standard dusting materials. Regulator is adjustable for a light or heavy application. Bellows of high quality leather. Extension pipes and spreader of 24 in. Compact and efficient. Capacity 1 lb. \$6.00 postpaid. Fig. 6.

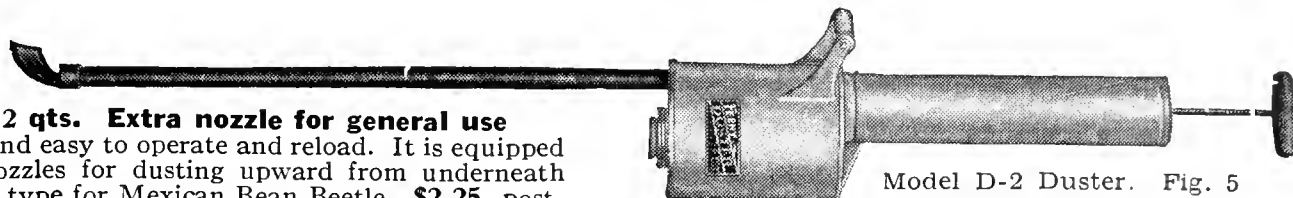
### CRYSTAL DUSTER



A new type hand duster with glass jar container. This duster is especially good for use in dusting garden, truck, field crops, flowers, poultry houses and is especially recommended for use with Cyanogas. The discharge is continuous. \$1.25, postpaid \$1.34.

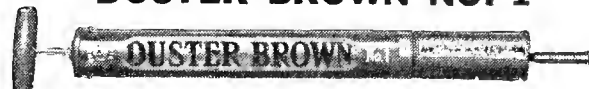
### THE FEENY HAND DUSTERS (Fig. 7)

The Feeny Hand Duster is built for heavy duty and long service—the feed is simple, accurate and constant—the fan operates from cut steel gears which are enclosed and run in grease. Feeny Hand Dusters because of their design and construction, are the most comfortably carried and easiest operated in continuous use. Price \$15.00. With 2-row Bean Beetle Attachments, \$15.80. Postpaid.



Model D-2 Duster. Fig. 5

### DUSTER BROWN NO. 1



This duster is adapted for use with all insect powders. A favorite with the housewife. Powder chamber 1 3/4 in. diameter, 4 in. long. Pump 1 3/4 x 12 in. 50c., postpaid 65c.

### CYANO GAS DUSTERS

**Cyanogas Special Hand Duster.** \$1.40 postpaid.

**Cyanogas Foot Pump, Small.** \$4.75, postpaid \$5.00.

**Cyanogas Knapsack Duster.** \$16.00 postpaid.

## RUBBER GARDEN HOSE, REELS, MENDERS, ETC.

### MOLDED BRAIDED GARDEN HOSE

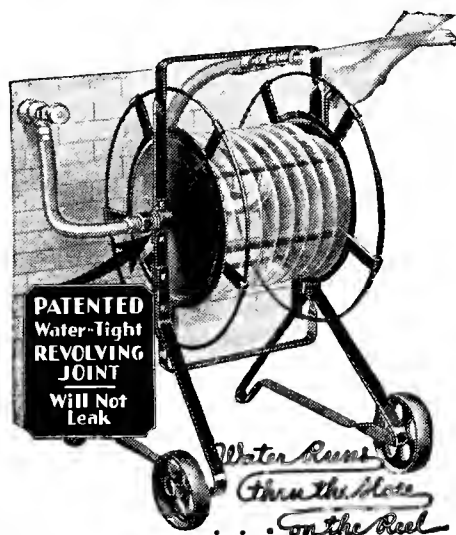
It is guaranteed not to break

Continuous length Rainbow braided 5/8 in. hose. We can furnish any lengths. We can highly recommend this hose. 12c. per ft. any length without couplings. 3/4 in., 1c. per ft. more; 1/2 in., 1c. per ft. less.

5/8 In. Hose, 25 ft. coupled \$3.00, 50 ft. coupled \$5.75.

**Super Grade Hose.** The best hose obtainable. 3/4 in. 16c. per ft.

### THE NEW PATENTED DOUBLE REAL REEL



New and different! The only portable reel that can be connected to the faucet . . . and as much or as little hose unreeling as needed . . . without first unreeling all of it. Overcomes every objection to ordinary hose reels. Capacity: 125 ft. of 5/8 in. hose, 100 ft. of 3/4 in. hose. Frame made of 1x1/2 steel. \$4.50.

**Smith Brass Spray Nozzle.** Sprinkles like a watering can. \$1.50 postpaid.

**Boston Nozzles.** Combined solid stream and spray. Each 85c. postpaid.

**Rain King Hose Coupler.** Connects hose to either faucet, sprinkler, nozzle, or hose to hose instantly. 60c. postpaid.

**Little Wonder Rain King Hose Nozzle.** In 1/4 turn you can regulate the flow from a solid stream to a sprinkle to a mist, and off completely. Each 85c., postpaid.

**Siamese Connections.** Regular size. Each \$1.00 postpaid.

**Rapid Hose Mender.** Cadmium plated. Each 15c., doz. \$1.25, postpaid.

**Rapid Hose Coupler.** No bands required, cadmium plated. Pair 25c. postpaid.

**Hose Couplings** (Brass). Regular size. Pair 25c. postpaid.

**Hose Washers.** Rubber. Regular size. Doz. 10c. postpaid.

**Hose Bands.** For 3/4, 5/8 and 1/2 in. hose. Each 5c., doz. 50c., postpaid.

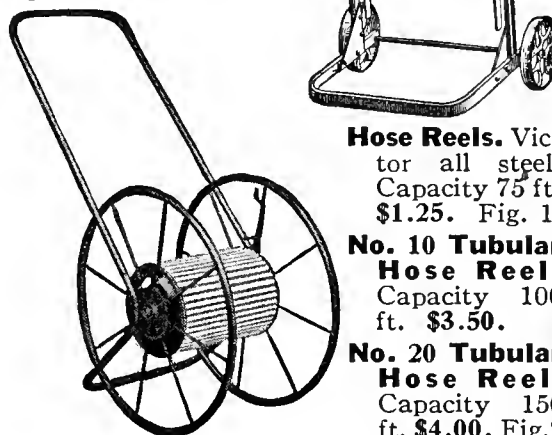
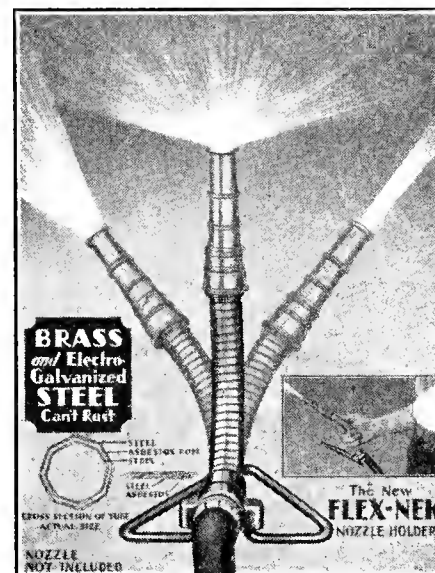


Fig. 1

**Hose Reels.** Victor all steel. Capacity 75 ft. \$1.25. Fig. 1.

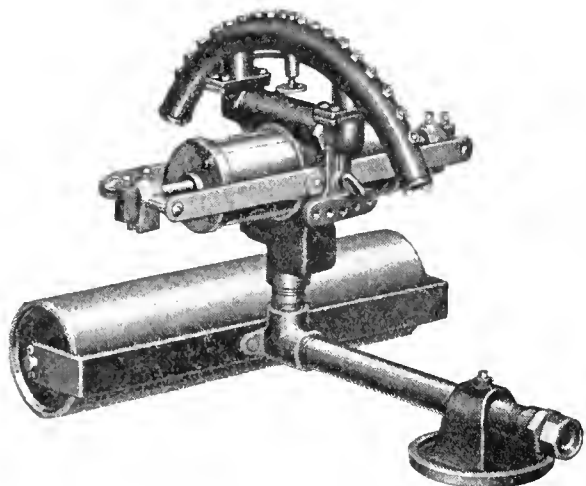
**No. 10 Tubular Hose Reel.** Capacity 100 ft. \$3.50.

**No. 20 Tubular Hose Reel.** Capacity 150 ft. \$4.00. Fig. 2



### THE NEW FLEX-NEK NOZZLE HOLDER

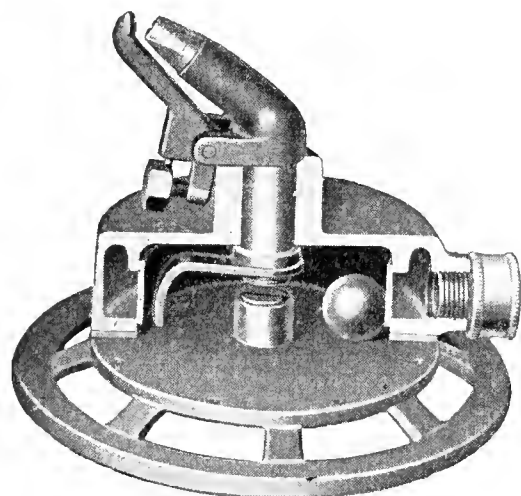
Converts ordinary nozzle into the handiest, most practical lawn sprinkler. Nozzle can be adjusted for a powerful, steady stream . . . a sod-soaking downpour . . . or a soft gentle mist . . . and it stays just where you put it. Ideal for sprinkling narrow parkways and odd-shaped plots as well as large, wide areas—especially handy for soaking the roots of shrubs and hedges. Galvanized steel and brass construction. Electro-galvanized flexible steel tubing, especially packed with 6-strand asbestos roping—water-tight and self-sealing. Solid brass screw connections. Unbreakable steel base, green enameled. Held in the hand, Flex-nek provides a comfortable, firm, dry grip. No need to ever remove the nozzle to substitute a sprinkler head—it's always ready for any sprinkling job. Order one today! 75c., postpaid 85c.



### SKINNER RAIN WAVE AUTOMATIC SPRINKLER

This miniature Skinner System weighs only 17 lbs., yet does the work of a 60-ft. line automatically. The 16 silver stream nozzles in the arch wave slowly back and forth distributing that fine, even spray which has made silver stream nozzles famous. With simple, easy made adjustments, you can water from 10x60 to 60x60 ft. or have a stationary sprinkler. **\$35.00**, postpaid.

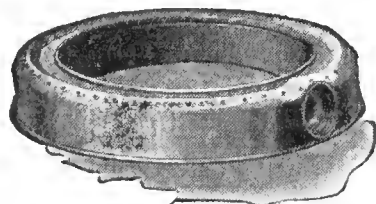
Estimates furnished on Skinner Irrigation System



### BIG SQUARE SPRINKLER

A slowly revolving nozzle, giving uniform coverage over large area. No gears. No small fragile parts. The only fast moving part is a  $\frac{3}{8}$ -in. steel ball, which revolves freely in the base chamber. Waters a square. Size can be controlled by reducing pressure or by deflector adjustment. On 35 lbs. pressure, uses  $7\frac{1}{2}$  gals. per minute. Covers a 50 ft. square. On 50 lbs. pressure uses 10 gals. per minute. Covers a 60 ft. square. Weight 5 lbs. each. Diameter 7 in. Height  $4\frac{1}{2}$  in. **\$7.50** postpaid.

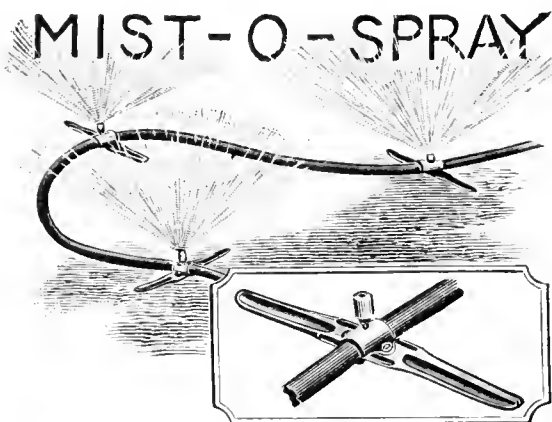
With roller base like "Rain Wave," **\$12.75**, postpaid.



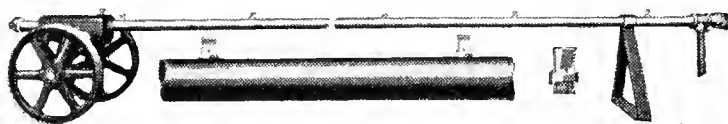
### FOUNTAIN SPRINKLER

Made of heavy brass. Easily moved over the lawn without turning off the water. The mistlike spray is a veritable "thing of beauty." 85c., postpaid.

**Half Circle Sprinkler.** 75c., postpaid.



New lawn sprinkling method. This remarkable new system of sprinkling lawns, shrubs and flowers is simple, practical and inexpensive. For the 25 ft. garden hose, a set of 3 Mist-O-Spray units placed at intervals of 8 ft. For 50 ft. hose place 5 units at intervals of 10 ft. Set of 3 units, per set **\$2.00**, postpaid. Complete with 25 ft. of hose, ready for use, **\$5.00**, postpaid.



### BORDER MIST SPRINKLERS

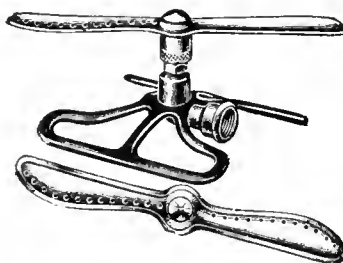
These fine 1-way sprinklers last a lifetime and will spread their mistlike spray over a space 16 ft. wide by 16 ft. long, or can be narrowed down to even 30 in. in width. The ideal sprinkler along walks or shrubbery where 1-way watering is desired. The handle on the end permits directing the spray to any angle or completely reversing it. Total length 15 ft. Weight 20 lbs. Express shipments recommended. **\$12.50**, f.o.b. Baltimore.

**Lawn Mist.** Made in senior or junior sizes, covers a width 16 ft. constructed like Border Mist, except nozzles, which spray both ways. **\$12.50** and **\$8.00**, f.o.b. Baltimore.

### THE PEACOCK LAWN SPRINKLERS

The Peacock Sprinkler is  $12\frac{1}{2}$  ft. long and can be used singly or in tandem. Each sprinkler covers a space 15x50 ft. **\$15.00**, f.o.b. Baltimore.

**The Peacock Jr.** is 7 ft. long, doing the same work as the larger one on a smaller scale. **\$8.50**, f.o.b. Baltimore.



### AERO MIST SPRINKLER

This new sprinkler represents our latest contribution to scientific sprinkling by the rotary method. The brass revolving vane is shaped like a propeller and as it spins about forces the water in a mistlike spray over an unusually large area. The heavy green, enameled iron base is sturdily constructed and the sprinkler may be moved about by means of the hose without shutting off the water. **\$1.40**, postpaid **\$1.50**.

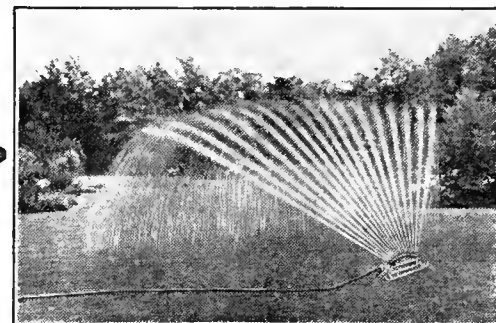


### RAIN KING SPRINKLERS

**Standard.** **\$3.50**, postpaid.

**Giant Rain King.** Like Standard, but is 4 ft. high and has 4 nozzles. **\$12.50**, postpaid **\$12.75**.

**Majestic.** Stands 15 in. high; very sturdy; has bird bath attached. **\$6.50**, postpaid.

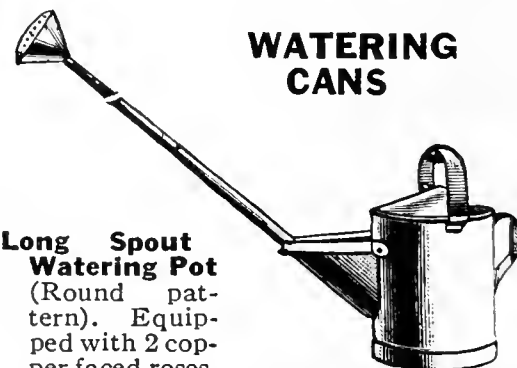


### WATER FAN

#### An Automatic Oscillating Machine

It is a real rain making machine, consisting of a little turbine water motor closely connected to a short (18 in.) distribution pipe and mounted on a small triangular sledlike frame. The prominent features of the Water fan are: Its ability to cover a rectangular area; its sledlike frame, for easy moving; its rainlike distribution of the water.

**No. 7**—Covers space 40x45 ft. **\$16.50** postpaid.



### WATERING CANS

**Long Spout Watering Pot** (Round pattern). Equipped with 2 copper faced roses,

1 fine, 1 coarse with each can. Can shaped round, made of heavy galvanized iron.  
 4 qt. .... **\$3.75**    10 qt. .... **\$5.00**  
 6 qt. .... **4.25**    12 qt. .... **5.50**  
 8 qt. .... **4.75**    16 qt. .... **6.00**

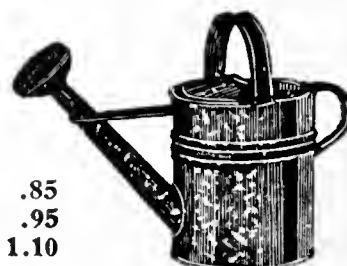
**Oval Watering Pot** (French Pattern).  
 6 qt. .... **\$5.00**    10 qt. .... **\$5.75**  
 8 qt. .... **5.40**    12 qt. .... **6.25**

**Heavy Tin Japanned Red Watering Pots** (English Pattern).  
 3 qt. .... **\$4.75**    8 qt. .... **\$7.00**  
 4 qt. .... **5.75**    10 qt. .... **7.50**  
 6 qt. .... **6.50**

Postpaid, add 15c. to each

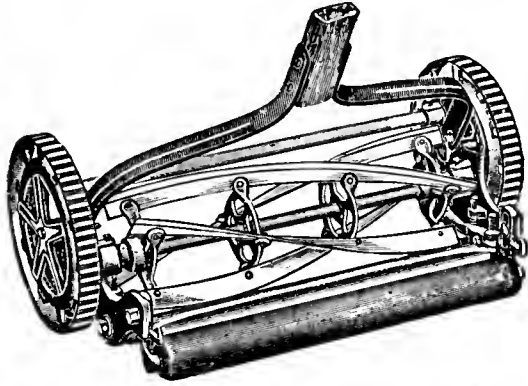
Made of heavy galvanized iron, removable rose.

4 qt. .... **\$0.60**  
 6 qt. .... **.70**  
 8 qt. .... **.75**  
 10 qt. .... **.85**  
 12 qt. .... **.95**  
 16 qt. .... **1.10**



# M.-S. RELIABLE LAWN MOWERS, ETC.

Our Mowers Must Give Results



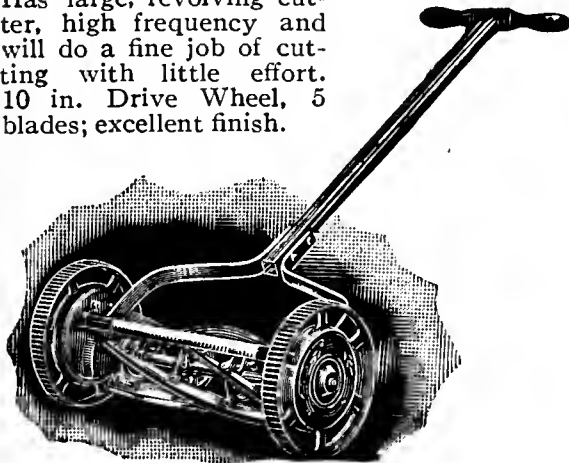
## M.-S. BALL BEARING SPECIAL

A lightweight, high wheel mower designed to meet the demand for a machine of lighter construction at a low price. 10 in. drive wheel, 4 blades, ball bearing.

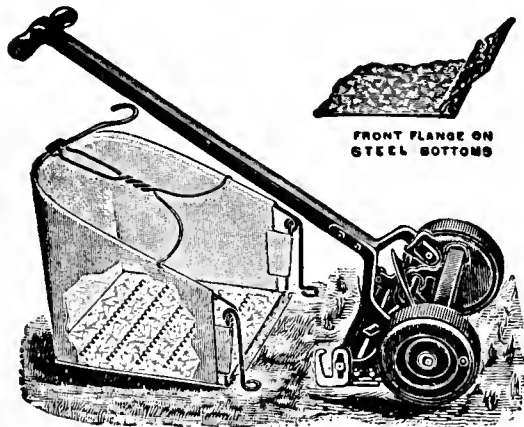
14 in. .... \$6.50    16 in. .... \$7.00  
12 in., 8 in. drive wheel. .... \$6.00

## AMBASSADOR

Is a high grade ball bearing mower at a medium price. Light and easy to handle. Has large, revolving cutter, high frequency and will do a fine job of cutting with little effort. 10 in. Drive Wheel, 5 blades; excellent finish.



14 in. cut.... \$12.00    18 in. .... \$13.00  
16 in. .... 12.50



## M.-S. EASY EMPTYING CANVAS GRASS CATCHER

Designed to fit any size or style of mower and can be attached or detached in a moment. Made of strong canvas and galvanized iron bottom. To fit any mower.

No. 5G—12 to 17 in. \$0.90, postpaid \$1.05  
No. 16G—16 to 20 in. \$1.25, postpaid \$1.40

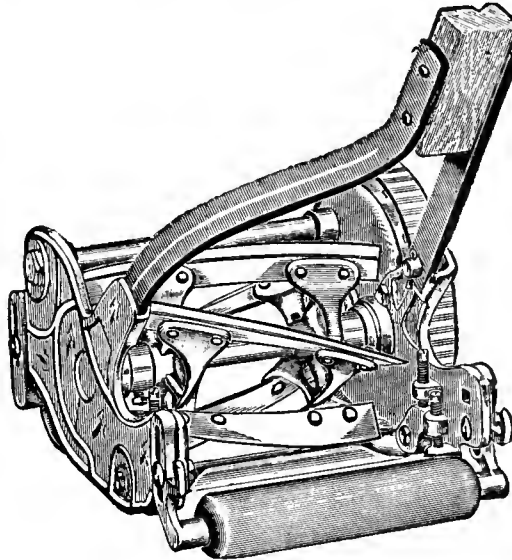
## ECONOMY GRASS CATCHER

A good make, but lighter than the Easy. Construction similar. Fits any mower from 12 to 17 in.

No. 16G.....75c., postpaid 85c.

## OVERHAULING AND SHARPENING OF LAWN MOWERS

The best time for this is before the actual time of lawn mowing has come. Let us do this for you. We call for and deliver the work.



## COLDWELL'S BALL BEARING TRIMMER

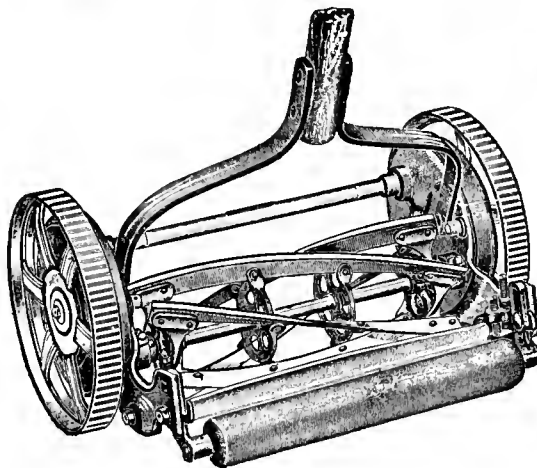
Is a very high class tool for finishing along walks, walls or flower beds, where the regular lawn mower cannot be used successfully. It accomplishes this task quickly and neatly and with very little effort. Does away with the back-breaking job of trimming with shears. Especially desirable for cemetery trimming. 8 in. solid wheel on right side only. Small caster wheel in front on left side.

Width of cut, 8 in. only. .... \$9.00

## COLDWELL'S IMPROVED HORSE LAWN MOWER

All steel, complete with shaft, seat and side draft.

\$175.00 f.o.b. Baltimore, Md.



## COLDWELL'S IMPERIAL ROLLER BEARING

Designed to meet the demands of park and cemetery superintendents. Durable, light running, easy to push and requiring minimum of attention to adjustments. Roller bearings enclosed in dustproof housings. When packed with light grease will need no further oiling for the season. Best lawn mower on the market for hard service in parks, cemeteries and private grounds.

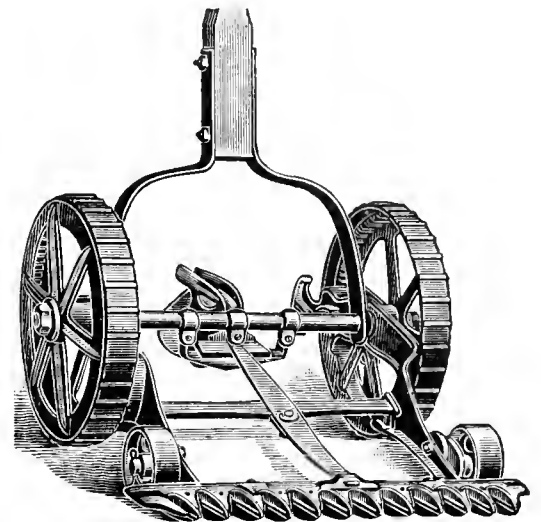
Lightest running, strongest built. Wheels, 10 1/4 in. Blades, five. Bearings, Standard Hyatt Roller. Gears, triple-pawl ratchet. Material and finish, highest class.

16 in. \$18.00    18 in. \$20.00    20 in. \$22.00

## HOUSEHOLD LUBRICANT

A splendid oil for lawn mowers.

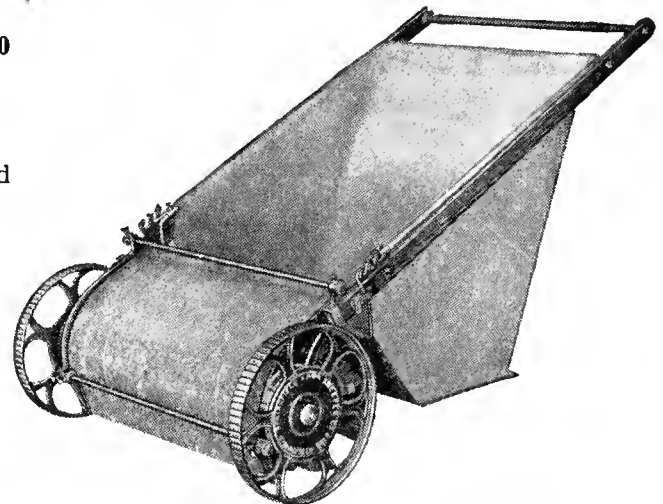
Can. .... 25c., postpaid 30c.



## THE CLIPPER MOWER

That will kill all the weeds in your lawn. If you keep all the weeds cut so they do not go to seed and cut your grass without breaking the small feeders of roots, the grass becomes thick and weeds disappear. The mower that is worth its weight in gold to the one who has a lawn with Buck Plantain in it; with Summer grass in it; with Dandelions in it; with Crab grass in it. The "Clipper" is the only mower that will cut it.

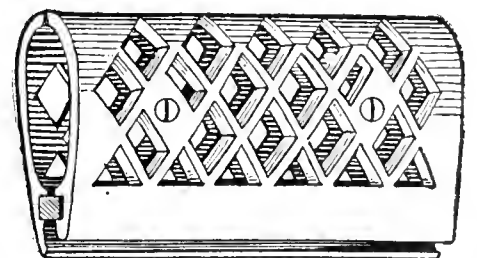
No. 1—12 in. \$10.50    No. 3—18 in. \$13.00  
No. 2—15 in. 12.00    No. 4—21 in. 15.50



## THE NEW IMPROVED SPRINGFIELD SWEEPERS

Gently collects fresh cut or dead grass, paper, sticks, stones, leaves without harming the grass itself. The action of the revolving brush is beneficial to the turf. It raises the low growing Crab grass and other spreading weeds so that the lawn mower cuts off the seed pods before they ripen. Not only are they profitable from a time and labor standpoint—they promote the growth of grass. Made in three sizes:

20 in. \$25.00    28 in. \$30.00    36 in. \$40.00  
F.o.b. Baltimore, Md.



## M.-S. LAWN MOWER SHARPENER

Can be adjusted for any thickness of blade and when properly set will give a uniform bevel, the sharpener following the twist of the knife. It will also sharpen the under blade or dead knife.

Each 50c., postpaid



# JACOBSEN POWER MOWERS

PRICES SUBJECT TO CHANGE

A mower for every purpose. Demonstrations to prospective buyers. Illustrated and descriptive catalog on request

## 4-ACRE HEAVY DUTY MOWER

A superior mower for parks, cemeteries, institutions and private estates

4-Acre H. D. Mower, without Grass Catcher (Iron Traction Wheels). \$285.00.

Rubber Tired Traction Wheels. \$13.50.

Sickle Bar Attachment. \$75.00.

Installation Charge for Sickle Bar Attachment. \$5.00.

Rubber Tired Riding Sulky. \$40.00.

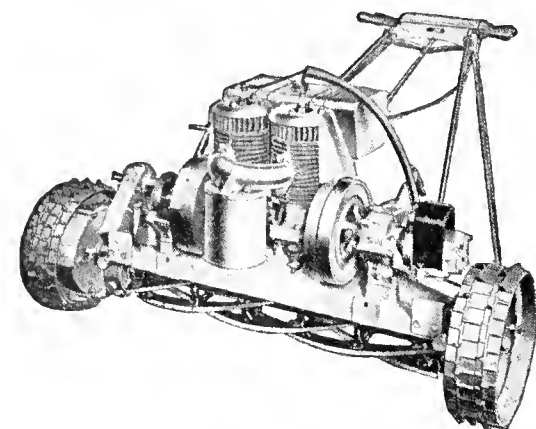
4 Acre H. D. Mower Grass Catcher. \$10.00

## The Riding Sulky

Attached to 4-Acre Heavy Duty Mower.

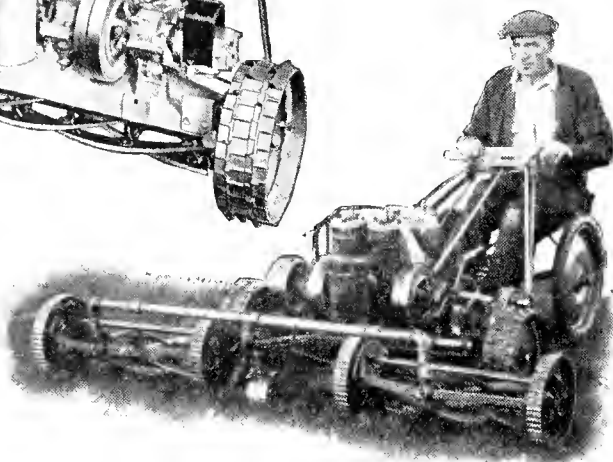
## Sickle Bar Attachment

Attached to 4-Acre Heavy Duty Mower.



The Twin with Gang Attachment

## THE NEW 32 INCH HEAVY DUTY MOWER WITH TWIN MOTOR



32 in. Heavy Duty Twin Motor without Grass Catcher (Iron Traction Wheels).....	\$385.00
32 in. Twin Grass Catcher.....	19.00
Gang Attachment, including Hitch and 2 19 in. side units.	125.00
Rubber Tired Riding Sulky.....	40.00

## SIMPLEX—A NEW 20 INCH MOWER

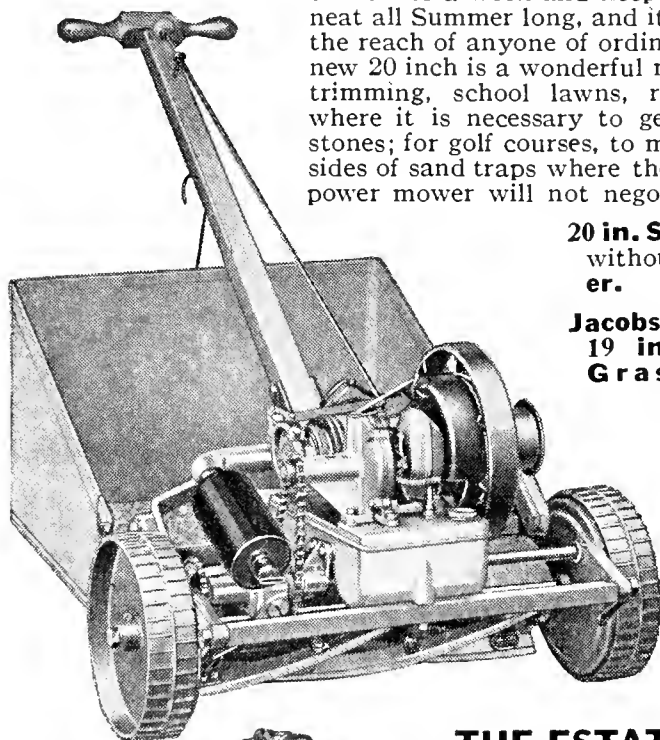
At a New Low Price

With this mower you can mow a lawn several times a week and keep it beautiful and neat all Summer long, and it is priced within the reach of anyone of ordinary means. The new 20 inch is a wonderful machine for park trimming, school lawns, rural cemeteries, where it is necessary to get around tombstones; for golf courses, to mow bunkers and sides of sand traps where the ordinary heavy power mower will not negotiate.

20 in. Simplex Mower, without Grass Catcher. \$150.00.

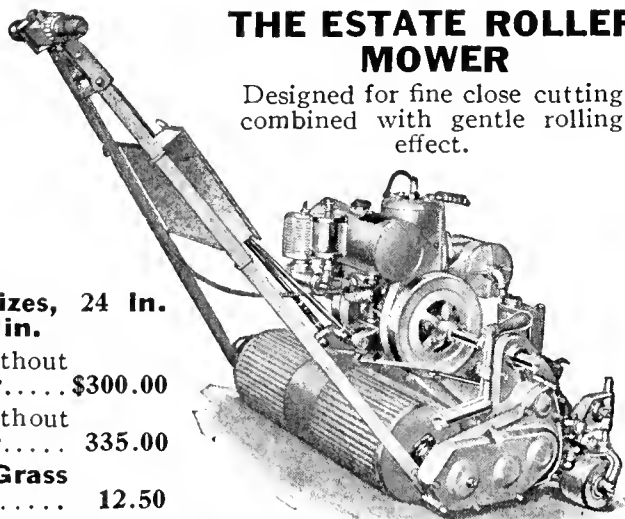
Jacobsen Jr. Mower, 19 in., but without Grass Catcher. \$185.00

20 in. Grass Catcher \$7.50



## THE ESTATE ROLLER MOWER

Designed for fine close cutting combined with gentle rolling effect.



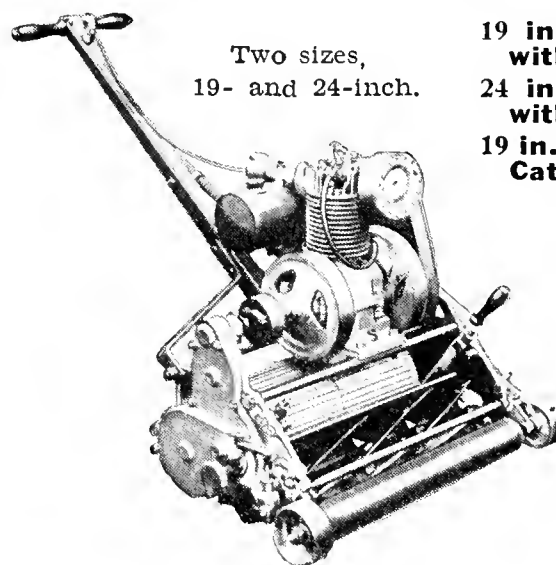
Built in two sizes, 24 in. and 30 in.

24 in. Estate, without Grass Catcher.....	\$300.00
30 in. Estate, without Grass Catcher.....	335.00
24 in. Estate Grass Catcher.....	12.50
30 in. Estate Grass Catcher.....	16.00

## THE POWER PUTTING GREEN MOWER

Two sizes, 19- and 24-inch.

19 in. P. G. Mower with Catcher.....	\$275.00
24 in. P. G. Mower with Catcher.....	310.00
19 in. or 24 in. Grass Catchers.....	10.00



## POWER TRANSPORT

Power Transport for transporting mower to greens by power of the motor. Will increase life of mower.

19 in. or 24 in. Power Transport Cart, \$70.00

We get a great many unsolicited testimonials like the following:

We have been more than pleased with the 4-acre Heavy Duty Mower.

ST. THOMAS CHURCH  
Owings Mills, Md.

I cannot speak too highly of the Jacobsen Power Mower.

ROBERT SCHAFFER, Supt.  
McLanahan Estate  
Towson, Md.

# PLANET JR. FARM AND GARDEN TOOLS

Are the greatest savers of time, labor, and money ever invented for the farm and garden. They pay for themselves in a single season in bigger and better crops, and last a lifetime. Fully guaranteed.

## PLANET JR. NO. 4 COMBINED SEEDER AND CULTIVATOR



This tool combines in a single implement a first-class hill-dropping seeder, a perfect drill seeder, a single wheel hoe, a cultivator and a plow. It holds two quarts and sows in continuous rows, or drops in hills 4, 6, 8, 12 or 24 in. apart. The index is accurate, simple and easily set. The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe. \$16.75. 50 lbs.

**No. 4-D** (As a seeder only). \$13.50. 40 lbs.

## NO. 25 COMBINED SEEDER, DOUBLE AND SINGLE WHEEL HOE

As a seeder this tool is the same as No. 4 described above but when used as a cultivator it can be set up either as a double or single wheel hoe. Has steel frames and straddles crops until 20 in. high. \$21.00. Weight 16 lbs.

No. 300 Seeder



## PLANET JR. NO. 300 DRILL SEEDER

**No. 300 Seeder**—A new tool especially adapted for Beans, Corn and Peas. \$18.75. Hopper capacity 4 qts.

## THE PLANET SEEDER ATTACHMENT NO. 35

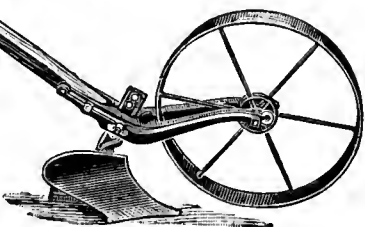
Will pay for itself in a short time because it saves seed by sowing accurately. It is very easy to operate and drills almost any kind of garden seed from the smallest up to Peas and Beans. The shoe is adjustable for any depth desired and the cover swings free. Attaches to any Planet Jr. Hand Cultivator. Sent postpaid. \$5.75.

## "FIREFLY" GARDEN PLOW

Very useful for small gardens. Will throw a furrow 4 to 6 in. wide and 1 to 3 in. deep, and deeper by going twice. Furrows for manure or seed can be opened and covered. Chicken raisers find it of great advantage in plowing up the scratching yards. Weight 14 lbs. \$4.00.

## 72 PAGE PLANET CATALOG FREE

Describes 70 tools, including Seeders, Wheel Hoes, Horse Hoes, Harrows, Orchard and Beet Cultivators. Write postal for it.



**BARKER**  
TRADEMARK REG. 1924  
**WEEDER-MULCHER-CULTIVATOR**

## BARKER, JR.

**Baby No. 6.** Is the best small garden weeder and mulcher on the market. The very low price makes it attractive. Weeds and mulches a strip 6 in. wide. Retail price \$7.25.

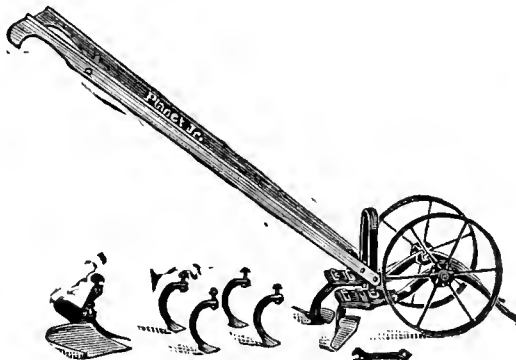
**No. 8½ Barker Jr.** Weeds and mulches a strip 8½ in. wide. Has 3 shovels and leafguards. \$7.95.

## THE BARKER

**No. 10-D.** Strong and most useful size. Lower knife cuts 10 in. strip. Favorite for large gardens and with truck growers. Equipped with 3 shovels and leafguards. \$10.60.

**No. 11-D.** Especially adapted for use where rows are 15 in. or more apart. Weeds and mulches 11 in. strip. Has 3 shovels and leafguards. \$11.75.

**No. 12-D.** Best size where rows are 2 or 3 ft. apart. Weeds and mulches a strip 1 ft. in width. Has 3 shovels and leafguards. \$12.60.



## PLANET JR. NO. 12 DOUBLE AND SINGLE WHEEL HOE COMBINED

A double and single wheel hoe in one. Has steel frames, 14 in. steel wheel with heavy steel spokes and straddles crops until 20 in. high. Then can be worked between rows with one or two wheels. Does the work of six men with ordinary hand hoes. The attachments will all be found useful from the beginning to the end of the season. The No. 12 is the most popular tool. \$10.25. 33 lbs.

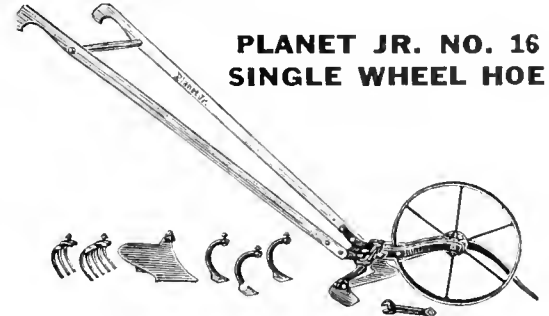
## NO. 11 PLANET JR.

Like the above, but in addition has one pair 4½ in. hoes, two 3-tooth rakes and two 5-tooth rakes. \$13.00. 39 lbs.

## NO. 13 PLANET JR.

Only equipped with one pair of 6 in. hoes. \$7.60. 28 lbs.

## PLANET JR. NO. 16 SINGLE WHEEL HOE



Like above. Weight 24 lbs. \$8.50.

## PLANET JR. JIFFY HOE

As illustrated, \$2.50, postpaid \$2.66. Extra plow attachment 75c., postpaid 95c.



## PLANET JR. NO. 17 SINGLE WHEEL HOE

Same as No. 16, but has no rakes or leaf lifter. \$7.35. Weight 24 lbs.

## NO. 17½ PLANET JR.

Equipped with hoes and leaf lifter. \$6.40. Weight 21 lbs.

## NO. 18 PLANET JR.

Only equipped with one pair 6 in. hoes. \$5.00. Weight 19 lbs.

## NO. 19 PLANET JR.

Similar to above, but has higher wheel (15 in.) equipped with cultivator tooth, sweep, plow and 5 pronged, cultivating attachment. \$4.75. Weight 21 lbs.

## NO. 119W PLANET JR. GARDEN PLOW AND CULTIVATOR



This new member of the "Planet Jr." family is equipped so completely that it will meet all the needs of the ordinary garden. It has a 24 in. wheel 1½ in. wide. The plow is very strong, the cultivator tooth is good and wide, the 5-pronged Cultivator is excellent for breaking the soil. The handles very strong and adjustable to suit adult or child. Also furnished with 3-pronged Cultivator of which the center tooth is removable, the other end being a scuffle hoe for cutting weeds. Either, complete, \$4.25. Weight 17 lbs.

## STAR PULVERIZER, WEEDER AND CULTIVATOR



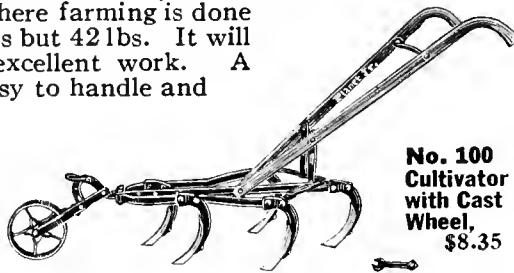
The star discs break up the soil and the oscillating blade which works forward and backward—pulverizes and levels the soil. 6 lbs. \$2.85.

### NO. 100-D PLANET JR. PLAIN CULTIVATOR

We offer this cultivator with the object of filling a definite need where lands are light or where farming is done on a modest scale. It weighs but 42 lbs. It will stand hard usage and do excellent work. A steady running tool and easy to handle and adjust. \$6.75.

### NO. 107-D

Similar to the No. 100D, but has 7 teeth and lever expander. \$9.50; with wheel, No. 107, \$11.50.



No. 100 Cultivator with Cast Wheel, \$8.35

### NO. 4-D PLAIN CULTIVATOR

Like No. 100-D but heavier. Less wheel. Weight 49 lbs. \$7.70.

### NO. 9 PLANET JR. PLAIN CULTIVATOR With Lever Expander

Equipped with four 3 in. x 8 in. Cultivator Steels and one 4 in. x 8 in. Cultivator Steel, which are patented and beveled; especially hardened. Tool is adjustable to any useful width by use of the lever expander, and every part is perfected to make the tool acceptable to the farmer. No. 9—With steel wheel, \$11.50, same tool without wheel, \$9.75.

### NO. 4 PLANET JR. HORSE HOE AND CULTIVATOR

This tool is low in price, strong and simple. It is the modern cultivator for either garden or field use, for furrowing, covering and cultivating. With steel wheel, \$11.00, without wheel \$9.25.



No. 4 Horse Hoe

### NO. 9 PLANET JR. HORSE HOE AND CULTIVATOR

Identical with the above, but has lever expander. With steel wheel \$12.75, without wheel \$11.00.

### NO. 7 PLANET JR. HORSE HOE AND CULTIVATOR

Same tool as No. 4 and No. 9, but is also equipped with depth regulating level wheel. \$14.20.

### SINGLE, DOUBLE AND TRIPLE TREES

Made of white oak, painted. 26 in. and 28 in. single tree \$1.30, 30 in. \$1.50, 36 in. double trees \$1.60, 3-horse eveners \$3.00, open links, 25c. each.



U-Bar Steel Double and Single Tree. Complete. 36 in. Double and 26 in. Single Trees. \$3.00 per set.

### OLIVER PATTERN WOOD AND STEEL BEAM PLOWS

In ordering, mention "Wood" or "Steel" beam, right or left hand.

	Wood Beam Plow	Steel Beam Plow	Slip Shares	Mold-boards	Wood Beams
No. A.....	\$ 9.00	\$ 9.00	\$0.23	.....	\$3.85
No. B.....	10.00	10.00	.27	.....	3.85
No. 10.....	13.25	13.25	.40	\$0.50	3.85
No. 13.....	15.00	15.00	.50	.60	3.85
No. 19.....	16.25	16.25	.55	.65	4.15
No. 20.....	17.50	17.50	.60	.70	4.15
No. 40.....	20.00	20.00	.65	.75	4.15

Single handles, \$0.85 each. Rounds, 20c. a pair.

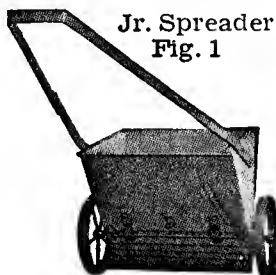
Bolts for moldboard, landside, shares and jointers, 5c. each.

Prices for plows include extra share and wrench. The following are extra: Wheel, complete, \$1.95; jointer, complete, \$3.85; steel beam jointer, \$4.95. State if wood or steel beam.

We can also furnish the "Syracuse" and other leading plows and the repairs. Prices will be furnished upon application.

### NO. 220 PLANET JR. FERTILIZER DISTRIBUTOR

One bushel capacity, six spouts which will distribute from 200 to 2000 lbs. of fertilizer to the acre. Saves time and labor, produces bigger crops. \$26.00. Send for special circular.



Jr. Spreader Fig. 1

### PLANET JR. 12-TOOTH HARROW CULTIVATOR AND PULVERIZER

No. 90—Complete.....\$15.50

No. 90-B—Without pulverizer..... 12.75

No. 90-D—Without pulverizer or wheel \$10.00



### Planet Jr. Cultivator Teeth.

2 1/4 x 8 in. Steels.....	\$0.18
1 1/4 x 8 in. Steels.....	\$0.16
1 3/4 x 8 in. Steels.....	.17
3 x 8 in. Steels.....	.20
4 x 8 in. Steels.....	.25
"Planet Jr." 7-in. Hind Shovel.....	.30
"Planet Jr." 8-in. Hind Shovel.....	.35
Bolts for all Cultivator Teeth.....	5c. each

### BOSS PLOWS AND REPAIRS

Plows	Shares
1 Rig—Complete.....	\$6.50
2 Rig—Complete.....	7.50
3 Rig—Complete.....	8.50
4 Rig—Complete.....	9.50
Mold Boards	Miscellaneous
Cabbage.....	\$0.35
1 1/2 and 2.....	.70
2 1/2 and 3.....	.80
No. 20.....	1.30
Board and Share.....	3.00
Double Shares.....	1.00
Cabbage.....	\$0.30
1 1/2 and 2.....	.35
2 1/2 and 3.....	.40
No. 20.....	.50
Land Sides.....	\$0.55
Clevises.....	.40
Bolts (All).....	.05
Standards.....	2.75
Handles—Complete.....	1.50
Handles—Single.....	.65
Beams.....	1.00

### CHATTANOOGA PLOW AND REPAIRS NO. 65

2-horse R. H. S. Beam Plow.....	\$20.00
Gauge Wheel.....	\$2.00
Jointer.....	4.50
Shares	Miscellaneous
No. 65 Solid.....	\$0.65
No. 65 Slip.....	.85
Extra Slips.....	.20
Land Sides.....	\$1.15
Jointer Pt.....	.30
Mold Board.....	3.40

### BASKETS, CHAINS, BACK BANDS, Etc.

Picking Baskets. 1/2 bus. size, with handles, doz. \$4.50; without handles, doz. \$3.75.

White Oak Baskets. Side handled. 1 bu. size 75c., 2 bus. size \$1.25.

Pea Bags. 17c. each. For quantities, write for price.

Berry Boxes. 1 qt. size, 80c. per 100; postpaid 90c. Prices per 1000 furnished on application.

Trace Chains. 7 ft., straight link, hook or ring. 75c. per pair; postage, 25c. extra.

Cow Chains. Tying out, No. 1, 20 ft., 65c.; No. 00, 30 ft., 80c.; postpaid, 10c. extra.

Back Bands. Cotton duck with snaps, 42 in., 50c. each; 48 in. 75c.; postpaid, 10c. extra.

Plow Lines. Sisal, 50c., postpaid 58c.

### MASTER'S PERFECT FERTILIZER DISTRIBUTOR

Here at last we have a simple, sturdy and efficient machine that solves the problem of even distribution of fertilizers, grass seed, top dressing, lime, salt, arsenate of lead, and other chemicals. It has a shut-off control and adjusting device right on handle. Shuts off instantly. Every inch of ground covered but no surplus anywhere to burn the lawn.

M-160—16 in. width. \$8.75

M-241—24 in. width with Double Disc Wheels.....\$12.25

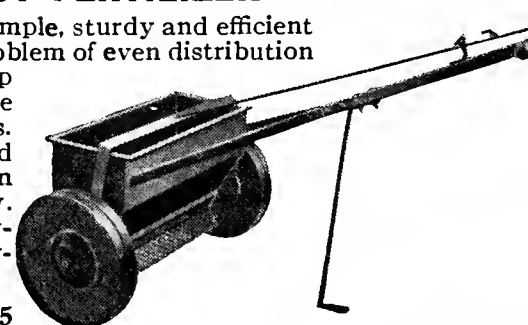
M-361—36 in. width with Double Disc Wheels..... 16.50

### MASTER JR. DISTRIBUTOR

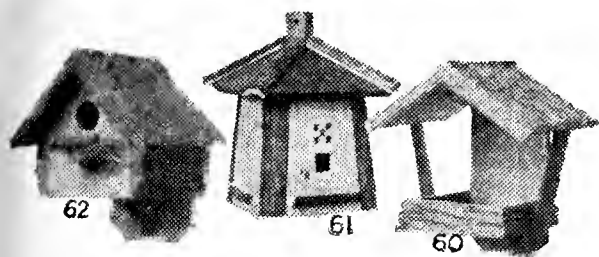
For small lawns. The flow of fertilizer starts automatically when you push the machine forward on the lawn and stops automatically when you stop. You can fill this distributor right on the lawn without any leakage. Strongly built, adjustable for different amounts. \$3.00.

### THE PLANET JR. SPREADER. Fig. 1

Everyone admires and wants to own a beautiful lawn. But lawns must be cared for. They must be cut and trimmed regularly and above all they must be fed properly. This means not only the right kind of plant food for your soil conditions but the right quantity and even distribution. In addition to spreading fertilizer, the Planet Jr. Spreader is fine for sowing grass seed. It scatters it much more evenly than is possible by hand and it keeps it so close to the ground that wind does not interfere with it. The Planet Jr. Spreader is 14 in. long and 11 in. deep. Holds from 25 to 30 lbs. of fertilizer. Machine itself weighs only 19 lbs. and everyone can easily handle it. \$7.50.







## RUSTIC CEDAR BIRD HOUSES

Each \$1.75, postpaid \$1.85  
We can supply 18 different styles  
Per set of three \$5.00, postpaid \$5.16  
We can supply 6 different sets

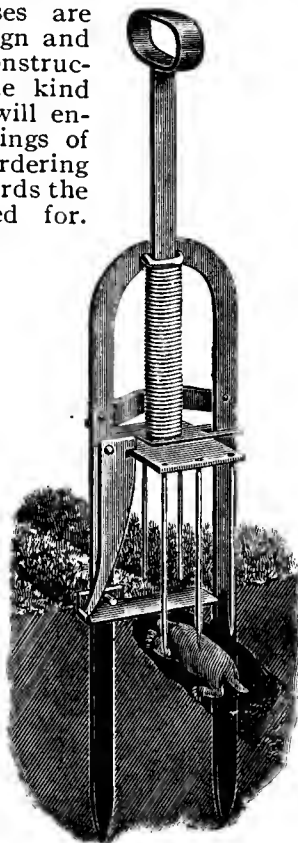
These bird houses are very artistic in design and unique in rustic construction. They are the kind birds will use and will enhance the surroundings of any home. When ordering specify the kind of birds the houses are intended for.

As illustrated:  
**No. 62, Blue Bird**  
**No. 61, Wren**  
**No. 60, Robin Shelter**

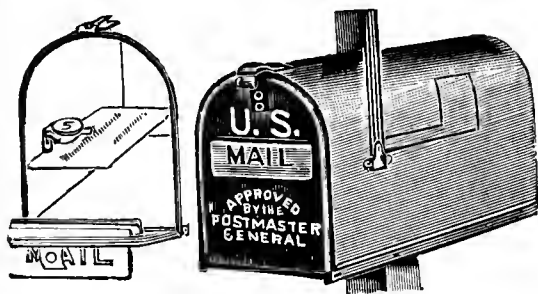
Send for circular for complete line

## LITTLE GIANT MOLE TRAP

The simplest, safest and surest mole trap ever invented. Self-setting. \$1.00, postpaid \$1.10.

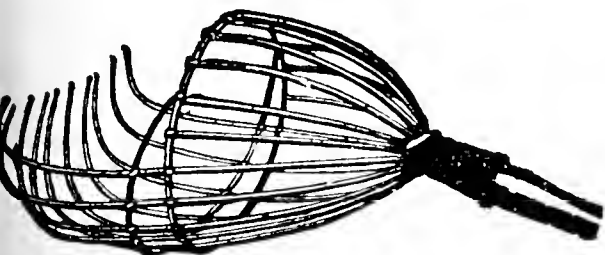


## RURAL MAIL BOXES



**22-Gauge Galvanized Steel.** This box conforms with the latest government rules; is much larger than the old style, for the holding of parcel post packages. Drop in end of box for depositing mail without unlocking; red signal raised by mail carrier to show that he has deposited mail in the box. \$2.50, postpaid \$2.80.

## FRUIT PICKER



The best fruit is always out of reach. As a fruit picker it has no superior. It is made of heavy wire and easily adjusted to a pole. 40c., postpaid 50c.

**Peerless.** For the careful picking of ripe fruit this is the best; it has no sharp end of wire exposed to injure ripe fruit. 60c., postpaid 70c.

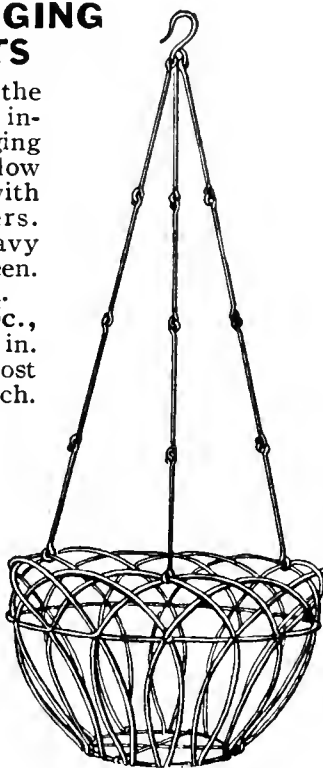
## ASBESTOS TORCH

This is the most practical satisfactory device yet found for burning caterpillars, worms and other tree pests. 50c., postpaid 60c.

## WIRE HANGING BASKETS

Help make the city beautiful by installing wire hanging baskets and window boxes filled with beautiful flowers. Made of good heavy wire. Painted green. See illustration.

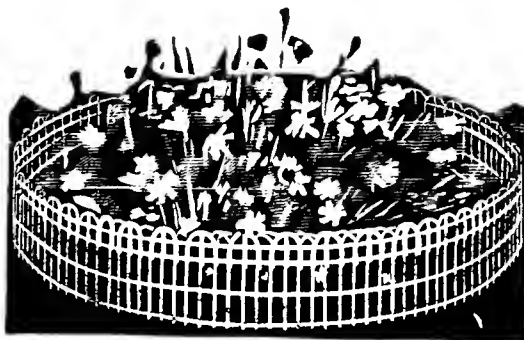
**Baskets.** 8 in. 25c., 10 in. 35c., 12 in. 45c. Parcel post weight, 2 lbs. each.



## WALL NAILS

For fastening climbing vines; equipped with a soft metal clasp which holds the vine against the wall.

1 in., doz. 45c., postpaid 50c.; Wire Hanging Basket 100 \$2.75, postpaid \$2.85; 1½ in., doz. 60c., postpaid 65c.; 100 \$3.75, postpaid \$3.95; 2 in., doz. 75c., postpaid 85c.; 100 \$4.50, postpaid \$4.75.



## PERFECTION FLOWER BED GUARD

Fits any shape or size of flower bed. No posts required. Cut to any length. Bottom of pickets left straight to be inserted in the ground. Made in 3 heights. Per lineal foot: 16 in. 7c., 22 in. 8c.

## NORWOOD RUBBISH CONSUMERS

Burns waste paper, rubbish and all combustible materials without scattering and without danger from fire.

**No. 2**—Height 22 in., diam. 15 in., weight, 7 lbs. \$1.75.

**No. 3**—Height 20 in., diam. 18 in., weight 9 lbs. \$2.25.

**No. 4**—Height 31 in., diam. 21 in., weight 12 lbs. \$3.50.

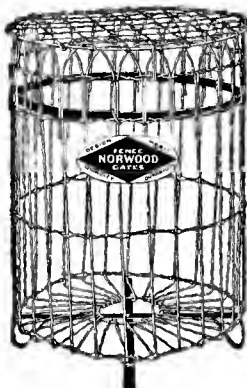


Fig. 1

## WIRE TRELLIS

Just the thing for climbing plants and flowers. Cut to any length, fits any porch. The most inexpensive practical trellis made. Furnished in 3 widths. Per lineal foot: 18 in. 9c., 24 in. 10c., 30 in. 11c.

## NORWOOD SANITARY WIRE FENCE

**No. 600**—Is the most popular sanitary wire fence. Pickets are all Nos. 9 and 12, heavily galvanized wire. The line wires are spaced 1½ in. apart at bottom, 3 in. at top, making fence absolutely chicken tight. Regular heights are 36 in., 42 in. and 48 in. Per lineal foot: No. 600, 36 in. 14c., 42 in. 15c., 48 in. 17c. Full 10 or 20 Rod Rolls, less 10 per cent.

**3-ft. Ornamental Walk Gates** to match. Each \$4.25. 3½ ft. 5 per cent and 4 ft. opening, 10 per cent higher.

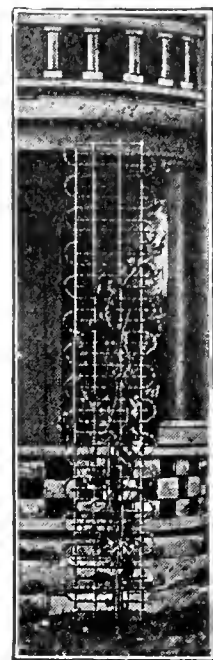


Fig. 2

## THERMOMETERS

**Household Thermometer.** 50c., postpaid 60c.

**Hotbed Thermometer.** Brass point. \$3.00, postpaid \$3.10.

**Self-regulating Hothouse Thermometer.**

No. 5452—Best grade \$7.00, postpaid \$7.10.

No. 5454—Economical. \$3.50, postpaid \$3.60.

## HOTBED MATS, SASH AND GLASS

**Hotbed Mats.** Burlap covered, 40x76 size, covers 1 sash. Each \$1.75; 76x76, covers 2, each \$2.75. Special prices in quantity. Express or freight.

**Hotbed Glass.** Box of 90 panes, 8x10. \$2.75. Price subject to change. Express or freight.

**Hotbed Sash.** Made to hold either 24 or 28 8x10 pans. These sashes are grooved so that the panes slide in and butt one against the other. Each \$2.00. Price subject to change. Express or freight.



Fig. 22

**Putty Bulbs.** For applying liquid putty. Fig. 22. \$1.50. Parcel post weight, 1½ lb.

**Peerless Glazing Points.** The finest glazing points on the market. Box of 1000 75c. Parcel post weight, 1 lb.

**Mastica Machine.** For distributing Mastica, etc. Made of heavy zinc. \$2.75 (by mail, 10c. extra).

**Mastica.** For glazing greenhouses. 1 gal. will cover about 300 running feet. 1 gal. \$2.25. Weight 18 lbs.

**Twemlow's Old English Glazing Putty.** 1 gal. \$2.35. Weight 18 lbs.

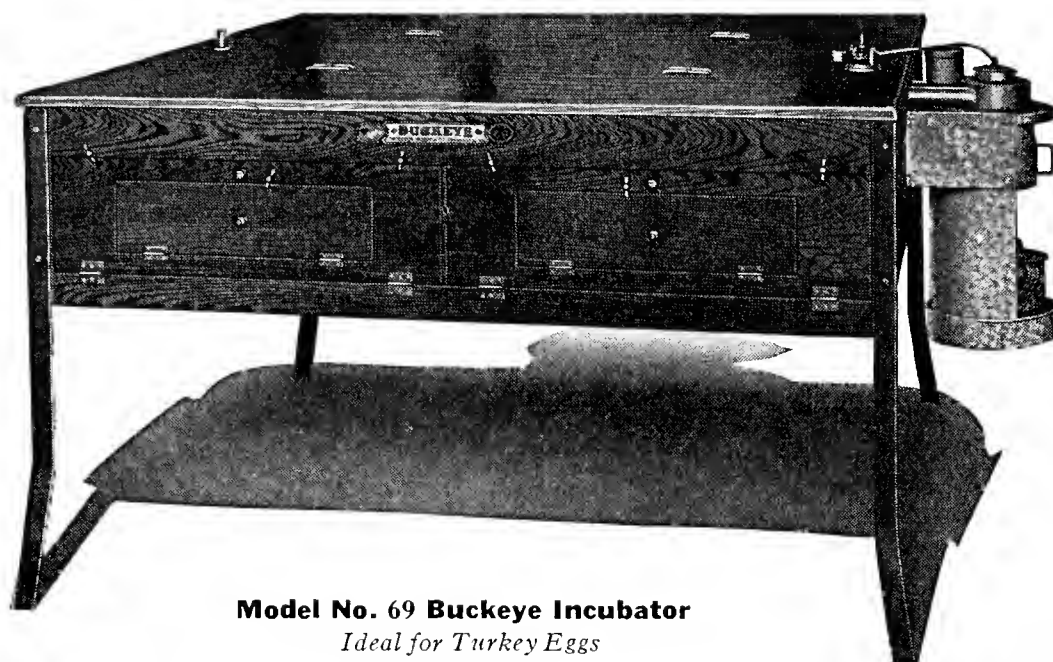
# BUCKEYE INCUBATORS AND BROODERS

## THE WORLD'S BEST

**WE CARRY A FULL LINE OF INCUBATOR AND BROODER REPAIR PARTS**

**Cypress Cabinets**—All of the machines are constructed of cypress—the best material ever found for incubators. It will not warp. It will not crack nor pull apart. It will not retain the odors of hatches.

**Heavy Insulation**—The four larger models have double walls with heavy insulating material between, assuring retention of heat with the utmost fuel economy. These models also have darkening doors to provide the dark egg chamber favorable to efficient incubation.



**Model No. 69 Buckeye Incubator**

*Ideal for Turkey Eggs*

Capacity, 576 hen eggs (or about 400 turkey eggs);  
shipping weight, 270 lbs.

**Patented Thermostat**—The Buckeye Patented All-Metal Thermostat insures absolute regulation of temperature. It eliminates the possibility of breakdown which is likely to happen with wafer-type thermostats. The Buckeye All-Metal Thermostat. It is absolutely reliable.

**Improved Heater**—The Buckeye heating tank is built of heavy copper. An air vent is placed in the end of the tank farthest from the boiler. This eliminates air bubbles and insures perfect circulation of the water. In the new Buckeye Incubator there can be no trouble from air pockets in the heater.

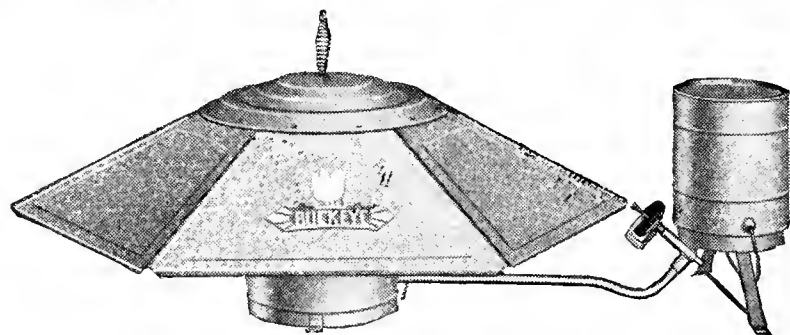
**Underwriters' Label** on all models, except No. 65, as a warranty against fire hazard.

All Buckeye Incubators, except No. 65, are now equipped with Buckeye Automatic Egg Turners. Only a moment is required to turn all the eggs.

**Egg Tester and Thermometer** furnished free with each Buckeye incubator.

<b>No. 65</b> —75 egg capacity.....	<b>\$18.50</b>
<b>No. 66</b> —143 egg capacity.....	<b>39.50</b>
<b>No. 67</b> —286 egg capacity.....	<b>57.75</b>
<b>No. 68</b> —416 egg capacity.....	<b>76.50</b>
<b>No. 69</b> —576 egg capacity.....	<b>97.50</b>

## NEW AUTOMATIC BLUE FLAME BROODERS



For a long time there has been a demand for a good, reliable, automatically controlled blue flame brooder to take the place of the wick type—a brooder priced economically. Nos. 642 and 652 will fill that need exactly. Equipped with a double disc wafer—very sensitive—positive regulation is assured. Two sizes of canopies to choose from. The burner of this brooder is guarded by a high screen which keeps the chicks and litter away from the burner.

<b>No. 642</b> —Diameter, 42 in.; shipping weight, 29 lbs.....	<b>\$15.50</b>
<b>No. 652</b> —Diameter, 52 in.; shipping weight, 33 lbs.....	<b>16.50</b>

### BLUE FLAME—WICK TYPE

<b>No. 27A</b> —200 chicks; diameter 34 in.; shipping weight, 40 lbs..	<b>\$14.50</b>
<b>No. 80</b> —350 chicks; diameter 42 in.; shipping weight, 50 lbs..	<b>15.50</b>
<b>No. 81</b> —500 chicks; diameter 52 in.; shipping weight, 60 lbs..	<b>16.50</b>

## NEWLY IMPROVED EVEN HEAT BROODERS

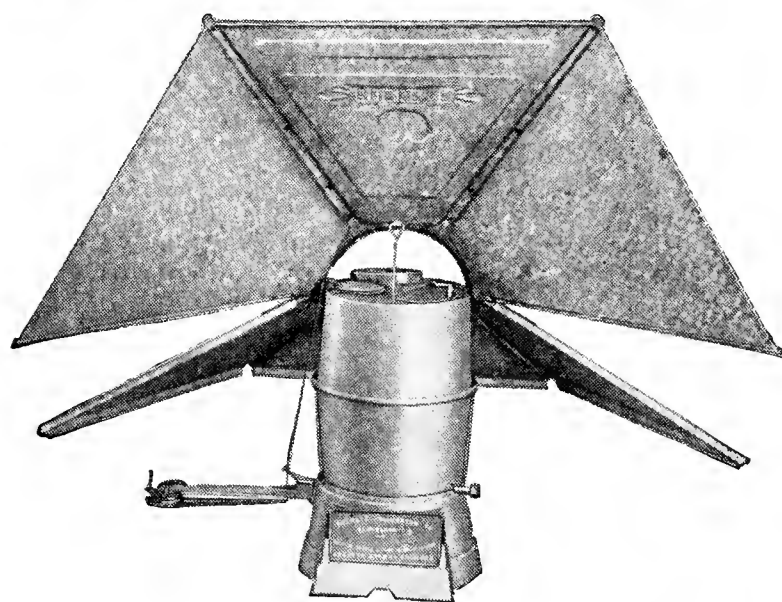
**Maintains Ideal Brooding Conditions**

The Buckeye "Even-Heat" Colony Brooder has unequalled heating power and accuracy of heat regulation. It responds instantly to the slightest variation of temperature in the brooding area. No matter how the weather may change, the "Even-Heat" easily meets the situation by producing more heat or less heat as the case may be.

<b>No. 154</b> —500 chicks, 54 in. canopy, shipping weight 83 lbs..	<b>\$21.50</b>
<b>No. 162</b> —1200 chicks, 62 in. canopy, shipping weight 90 lbs..	<b>23.50</b>

**The above three types are Oil Burners**

## IMPROVED COAL-BURNING BROODERS



The Buckeye Coal-Burning Colony Brooder is well known for its time-tested efficiency. Its leadership has been unquestioned. Big, sturdy—with a large fuel capacity, it excels in reliability and chick saving capacity. It provides abundant heat under all conditions. It has a double check draft system—insuring more even temperature. Its automatic control insures positive regulation—keeping chicks safe and comfortable. If you want a brooder to give carefree, efficient operation, count on a Buckeye Coal-Burning Brooder to give it. Improved with a strong, hexagon shaped, lift type canopy—which can be knocked down for shipment and save freight.

	<b>No. 118</b>	<b>No. 119</b>	<b>No. 120</b>
Chick capacity.....	500	1000	1200
Diameter of canopy.....	54 in.	62 in.	62 in.
Shipping weight.....	95 lbs.	130 lbs.	154 lbs.
Price.....	<b>\$17.50</b>	<b>\$22.50</b>	<b>\$26.50</b>

## OUR LINE IS COMPLETE

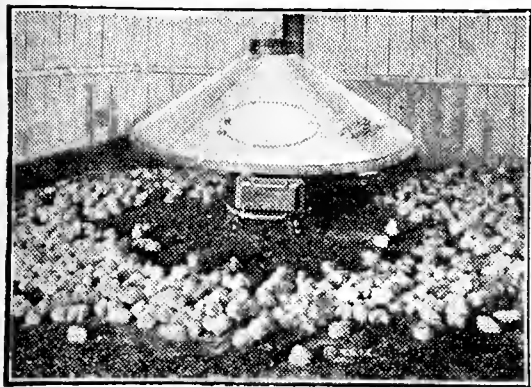
Different sections of the country have different brooding problems. One type of brooder fits one locality better than another type. Then, different people have different individual preferences. We have, therefore, prepared a line that is so complete that we can supply a brooder to meet every need or any brooding condition.

**In ordering repair parts, always give number of Brooder Stove and name of part wanted**

**DRAFT EQUALIZER FOR ALL STOVES—See page 59**

# NEWTOWN COLONY BROODERS

Will Raise Every Raisable Chick—Ask Any Owner



"A Newtown Mother"

The Newton Coal Burning Brooder has the reputation of being the most efficient brooder made. It needs no introduction to poultrymen. It was the first coal-burning, self-feeding, self-regulating colony brooder put on the market, having been longer in use than any other of its type. It is giving efficient service in every state in the Union and eleven foreign countries, and represents the modern, up-to-date brooder in the highest form of development. It is durable, easy to operate, safe, economical and labor saving. There is no brooder on the market which can be compared in any way to this brooder. When you think of these features you can see what Newtown is. It cares for all your chicks regardless of weather conditions. It burns a good grade of soft coal satisfactorily, as well as hard coal. It holds the fire and does not require constant attention. You don't have to get up at night to see if your chicks have enough heat. They're always safe and warm with Newtown.

Model	Weight Crated	Chick Capacity	Coal Capacity	Diam. of Hover	Size of Pipe	Price
No. 11.....	220 lbs.	Up to 500	43 lbs.	50 in.	4 in.	\$32.50
No. 12.....	306 lbs.	Up to 1000	62 lbs.	56 in.	5 in.	40.00
No. 8.....	130 lbs.	Up to 500	50 lbs.	56 in.	5 in.	21.50
No. 9.....	155 lbs.	Up to 1000	65 lbs.	62 in.	5 in.	26.50

Descriptive Circular on Request

In ordering repair parts always give number of Brooder Stove and name of part wanted

## THE PUTNAM BROODER



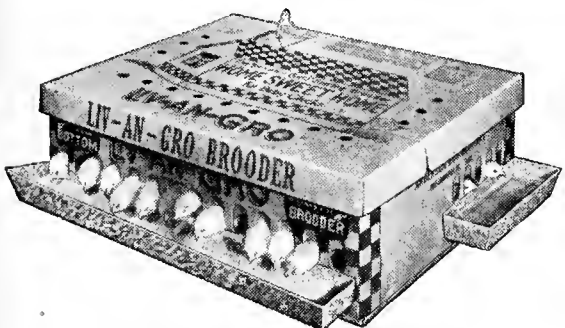
**\$4.75 Post Paid**

**Burns 10 days without attention**

This is used to heat a home-made brooder which will take the best of care of from 30 to 60 chicks. Instructions for making brooder packed with every heater.

## IMPROVED LIV-AN-GRO BROODER

Save 95 per cent of your chicks



Metal feed pan and water trough with sanitary  $\frac{1}{2}$  inch mesh galvanized wire bottom, wire rods for holding wire bottom in place. Both cover and body are of extra heavy grade of corrugated board with desirable insulating properties. Adjustable guards at feed and water openings.

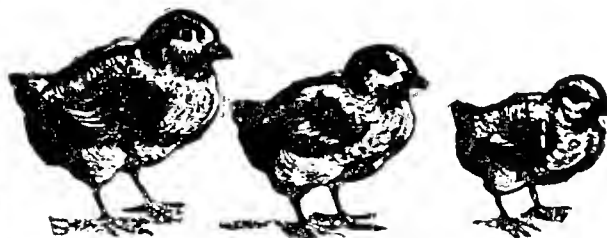
**Electrically Heated.** The electric heater consists of 6 feet of extension cord and one large metal circulation tube to hold electric bulb (bulb is not furnished). In Winter, when the room temperature is 65 or 70 degrees, a 40 watt bulb is recommended. \$1.95, postpaid \$2.10.

## DRAFT EQUALIZER

The adjustable Draft Equalizer solves a problem for the user of coal-burning brooders as it helps to maintain a steadier fire on windy days. This prevents the coal burning too fast or wind blowing smoke back down the chimney, causing fire to smother. The added protection given by this simple device can hardly be estimated. The Draft Equalizer is made with either 4 inch or 5 inch galvanized pipe. 90c., postpaid \$1.00.



**At the first hint of trouble, get in touch with our Poultry Department—this service is free**



## M.-S. WONDER BRED CHICKS

Blood Tested—State Certified

100% Live Delivery

We advise placing orders in advance as the demand for our chicks is always heavy. We quote prices for February and March. April prices \$1.00 per 100 less than February and March. May and June prices \$1.00 per 100 less than April. Small quantities accordingly. Prices subject to change.

	100	50	25
<b>Leghorns.</b> White, brown, buff.....	\$10.00	\$5.50	\$3.00
<b>Rocks.</b> Barred, white, buff.....	12.00	6.50	3.50
<b>Reds.</b> .....	12.00	6.50	3.50
<b>Wyandottes.</b> White....	12.00	6.50	3.50
<b>Orpingtons.</b> White, buff.....	13.00	7.00	3.75
<b>Minorcas.</b> Black, white, buff.....	13.00	7.00	3.75
Special prices on lots of 500 or more.			

**MAMMOTH WHITE PEKIN DUCK-LINGS IN SEASON.** \$25.00 per 100, \$13.00 per 50, \$7.00 per 25.

### NOTICE

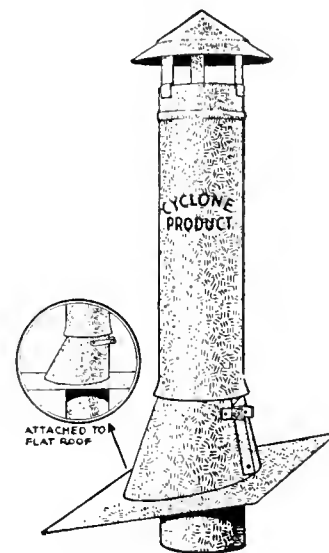
Due to the close margin on which baby chicks, eggs and all livestock is sold, we are obliged to sell this commodity for spot cash only. All orders should be accompanied by cash.

One-fourth (25 per cent) of the amount of the order should accompany all orders for baby chicks for future delivery.

## BEFORE YOU RECEIVE YOUR CHICKS CHECK THE EQUIPMENT

The last item of preparation is the checking of the equipment. We like to brood chicks in lots of 250, so the items below are based accordingly.

Have a good supply of fuel on hand. Use chick wire to enclose chicks around hover for first few days. For litter use granulated Peat Moss, one bale covers 250 sq. ft. one inch deep. Use three 40 in. mash feeders, see page 60. For water use two six quart founts with adjustable stands, see page 60. At least two, 3 compartment hoppers are necessary to supply grit, charcoal and shell. Start with 300 lbs. of chick starter mash, use a good commercial grade. When this mash is about gone, change gradually to a good growing mash. Buy 100 lbs. of good chick scratch and then change gradually to intermediate size. Be sure to have a supply of green feed available. Finely chopped Lettuce, Swiss Chard, Kale, Cabbage, Clover, Oat Sprouts or Alfalfa. All are good. For Chick Food see page 65.



## ADJUSTABLE ROOF SADDLE

For Coal Burning Brooder Stoves

The new Adjustable Roof Saddle is adjustable to care for any pitch roof; is furnished complete with stack and rain cap as illustrated. Made for two sizes of pipe—4 in. and 5 in., which should be specified in ordering. It is rustproof and rainproof, being made from heavy galvanized iron. Packed one to carton. Shipping weight, 11 lbs.

For 4 in. Pipe—Weight, 7 lbs.....\$1.35

For 5 in. Pipe—Weight, 7 lbs..... 1.50

## STOVE PIPE

	3 in.	4 in.	5 in.
<b>Galvanized, 2 ft. joints.</b>	\$0.25	\$0.30	\$0.35
<b>Black, 2 ft. joints.</b>	.20	.25	.30

## ELBOWS

	3 in.	4 in.	5 in.
<b>Galvanized.....</b>	\$0.30	\$0.30	\$0.35
<b>Black.....</b>	.20	.20	.25

By Parcel Post add 10c. to each elbow or joint of pipe.



# BABY CHICK SUPPLIES



## "CYCLONE" CHICK TROUGHS

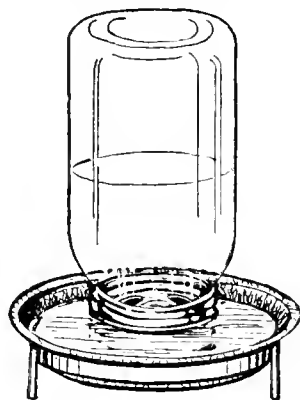
Substantially made of galvanized rustproof sheet iron, stamped in two pieces with no soldered seams. The edges of the covers are crimped to form a catch that easily springs over the edges of the trough and holds the lid securely in place. The cover removes by sliding endwise.

No. 14—Length 11 in...15c., postpaid 20c.  
No. 23—Length 21 in...25c., postpaid 35c.

## BUTTERMILK FEEDERS

Same construction as above, but made from bright charcoal tin plate.

No. 14C—Length 11 in...25c., postpaid 35c.  
No. 23C—Length 21 in...35c., postpaid 45c.



## "CYCLONE" JAR FOUNTAIN

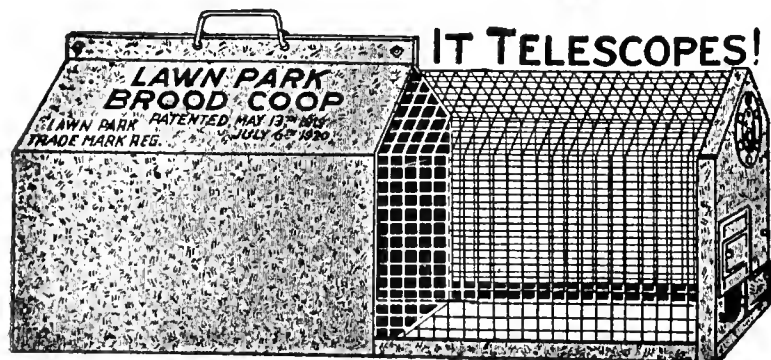
An exceptionally useful fountain for either chicks or fowls. The water is held by gravitation in the jar and allows only a small amount in the basin. May be used with any size Mason jar. Prices do not include jar.

No. 7—Each 10c., postpaid 15c.; 3 for 25c., postpaid 30c.; doz. \$1.00, postpaid \$1.10.  
No. 7G—Made of glass for milk feeding 15c., postpaid 20c.

Sanitary Stands for same. 5c. each.

## STOP CANNIBALISM USE ANTI PICK REMEDY

See page 66



## LAWN PARK BROOD COOP

Protects the Chicks—Saves Time, Work and Worry

The "Lawn Park" is large and roomy, being 18 in. wide, 19½ in. high and 48 in. long, with park extended.

\$3.50 each. Cannot be sent by Parcel Post

## OPEN CHICK TROUGH

A feed trough for baby chicks. Turned lip prevents waste. Hinged guard.

No. Length  
15 12 in.....15c., postpaid 23c.  
16 20 in.....20c., postpaid 28c.

## ROYAL FOUNTAIN

Made from heavy galvanized iron in two pieces. Top made with bail for carrying. Base pulls off to fill. Pressure of air and grooves in pan hold weight of water and fountain may be carried by handle without fear of spilling.

No. 30—1 gal.....40c., postpaid 50c.

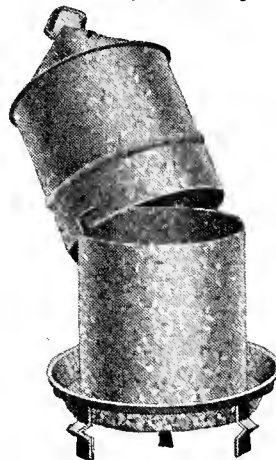
## BABY CHICK BOXES

**Baby Chick Shipping Box.** Made of corrugated paper, extensively used, will carry chicks any distance with perfect safety. Are shipped knocked down and take up small amount of space.

25 chicks—Size 9x11x5½. Each 12c.;  
doz. \$1.25, postpaid \$1.37.  
50 chicks—Size 18x11x5½. Each 15c.;  
doz. \$1.50, postpaid \$1.63.  
100 chicks—Size 18x22x5½. Each 20c.;  
doz. \$2.00, postpaid \$2.14.

## TOP FILLED CHICK FOUNTAIN OR GROWING STOCK

(Sanitary—Cleanable)



This is the latest in chick and growing stock waterers. Double interlocking cylinder makes its operation so simple even a child can operate it. A snap arrangement makes it possible to carry fountain by handle when outer cylinder is in place over inner cylinder. Perch-proof, cleanable.

No. 301½—Capacity, 1½ gals. 80c., postpaid 95c.

No. 302—Capacity 2 gals. \$1.00, postpaid \$1.12.

Adjustable Stand for same, 20c. extra, postpaid 25c.

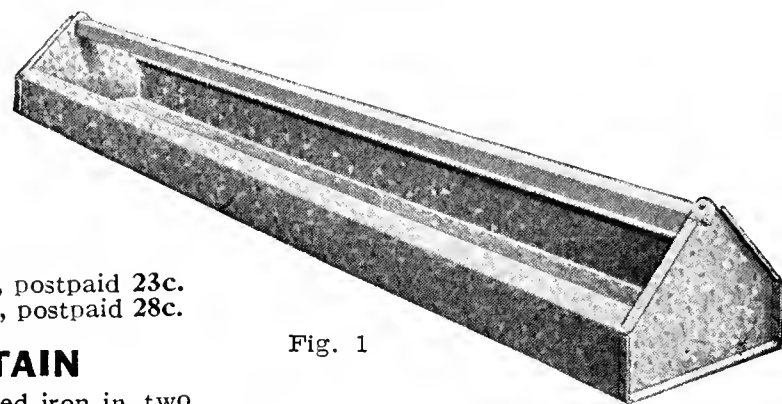


Fig. 1

## NEW OPEN CHICK FEEDER With Hinge Wire Grill

Here is a growing chick trough with wire grill, of large capacity and easily filled and cleaned. May be had with adjustable ends, which permit the raising or lowering of the trough. Can also be purchased with adjustable wooden reel if preferred. Adjustable ends and reel not shown in cut.

No. 224—Length 24 in...45c., postpaid 55c.

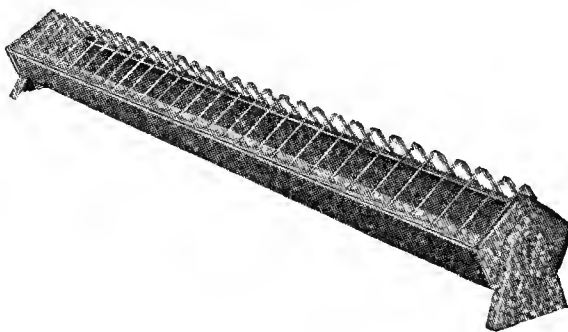
No. 248—Length 48 in...75c., postpaid 85c.

Ends for Same.....10c. per pair extra  
Postpaid.....15c.

With Wooden Reel. Fig. 1

No. 25—Length 24 in. 30c., postpaid 45c.

No. 236—Length 36 in. 40c., postpaid 55c.



## GRILL ADJUSTABLE FEEDER

This feeder is also equipped with a double hinge wire grid which slides, making a minimum opening of 1 in. and a maximum opening of 2 in. Can be used for all size chicks and mature fowls. When the little chicks outgrow the 1 in. space just slide wires to 2 in. opening and adjust ends to desired height.

No. 141—Length 40 in.; shipping weight, 5 lbs., complete with ends \$1.25, postpaid \$1.40.

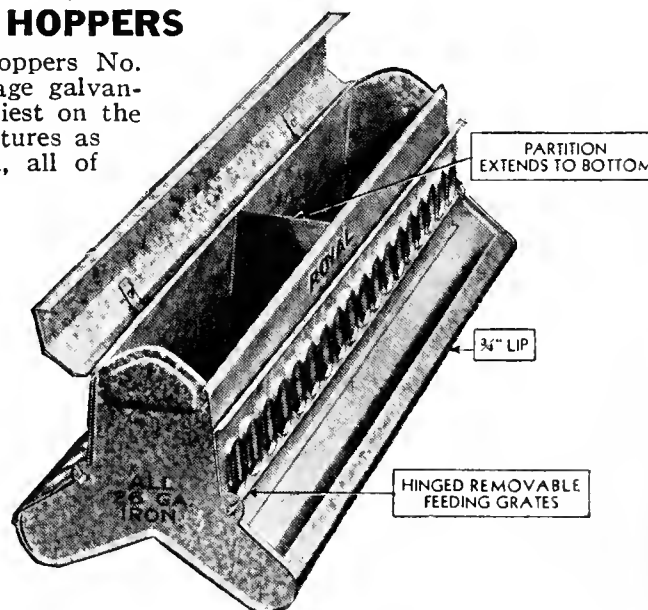
## ROYAL CHICK HOPPERS

The New Royal Hoppers No. 363 made from 26-gauge galvanized iron are the heaviest on the market and include features as illustrated on the cut, all of which are found on no other hopper. Capacity 25 lbs., length 36 in.; 54 feeding holes. \$1.50, postpaid \$1.70.

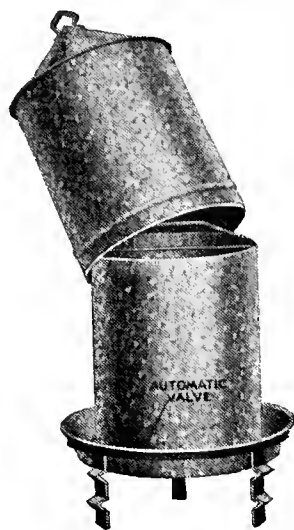
## OTHER CAPACITY HOPPERS

No. 42—24 in. long, holds 1 pk. 75c., postpaid 90c.

No. 63—35 in. long, holds ½ bu. \$1.00, postpaid \$1.20.



# MODERN POULTRY EQUIPMENT



## "CYCLONE" TOP FILLED FOUNTAIN

This is the most popular type of poultry waterer made. It has perch proof top and heavy galvanized bottom. It is easy to clean, fill, and carry. Controlled by positive automatic spring valve. No cork; valve automatically opens at the bottom when the upper cylinder is replaced after filling.

On the right is shown this same fountain completely equipped with heater and stand. **Stand** to keep fountain off floor or ground, adjustable from 2 in. to 8 in., 30c. extra.

Capacity  
**No. 303**—3 gals.....\$2.00, postpaid \$2.15  
**No. 305**—5 gals..... 2.50, postpaid 2.70  
**No. 309**—9 gals..... 3.75, postpaid 4.00

## "CYCLONE" LONG FELLOW FEEDER



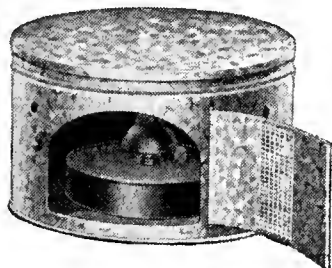
**A Sanitary, Waste Proof, Perch Proof, Large Capacity Laying Pen Feeder**

The Cyclone Longfellow Feeder is the result of years of experience, and we offer it as the best designed and most efficient flock feeder on the market today. It is built to give a lifetime of satisfactory feed and labor-saving service. The body is constructed of extra heavy galvanized steel, the roostproof hinged grid of heavy 3-16 in. galvanized wire. The legs, of angle iron, support the feeder 18 in. above the ground, which gives the fowls use of entire space under feeder. Perches are constructed in one piece of 1x3 in. lumber and are very strong.

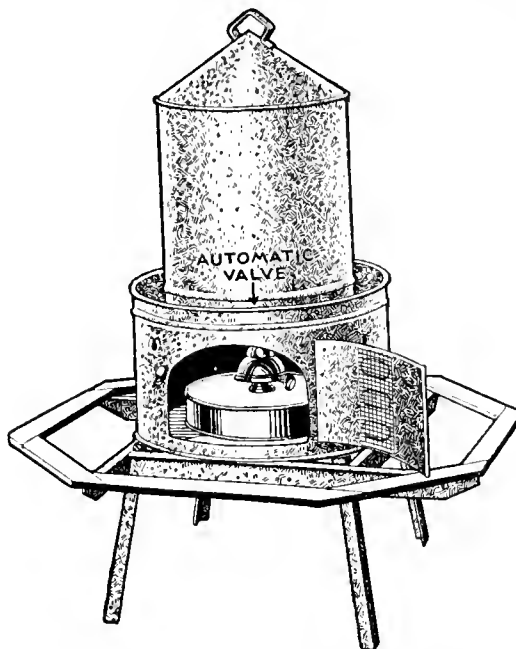
**Two Convenient Sizes**  
**No. 405**—Length 5 ft., capacity 60 lbs. \$4.50  
**No. 408**—Length 8 ft., capacity 100 lbs. 6.90  
 Not mailable

## "CYCLONE" FOUNTAIN HEATER

Can be used with all style fountains. Extra large. When ordering, state if you expect to use heater with "Cyclone" fountain and state size of fountain.



**No. 200**—Each \$2.00, postpaid \$2.13.



## FOUNTAIN ALL-SEASON

The construction of the fountain here illustrated is the same as on the left. The heater is equipped with a genuine Zenith burner and will keep the water from freezing in the coldest weather. The stand is recommended where the heater is used. The stand is octagon construction, making the distance from the perches to the water pan practically the same all around.

Fountain with Heater and Stand			
No.	Size	Each	Post-paid
303HS	—3 gals...	\$5.45	\$5.75
305HS	—5 gals...	6.00	6.30
309HS	—9 gals...	7.50	7.87
Stand	—Only....	1.65	1.80

## WALL MASH HOPPERS

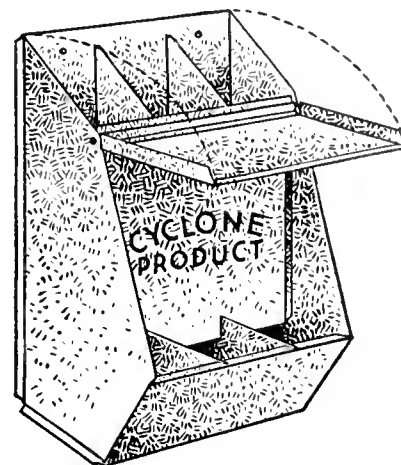
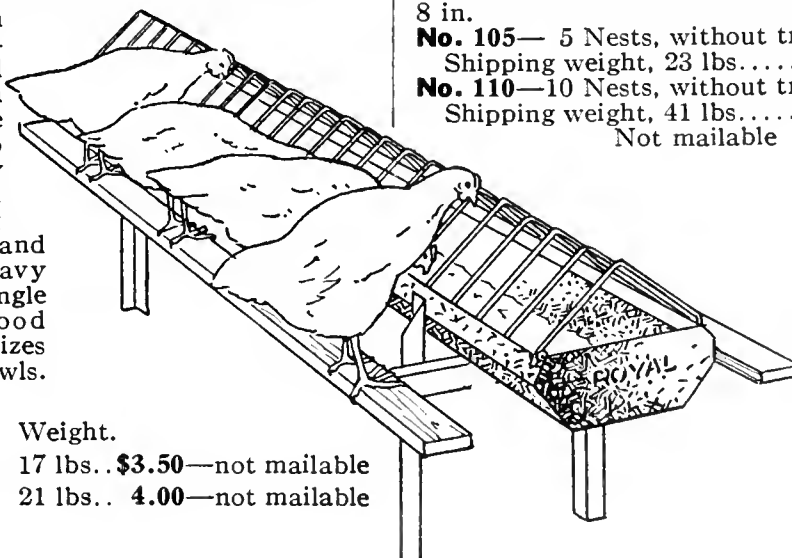
Made from extra heavy, galvanized prime sheets, all seams double seamed. The hopper being much larger at the bottom than at the top prevents clogging of feed. Holes are punched in the back of the hoppers to permit hanging on wall in a convenient place. The fowls cannot roost on hopper. When closed it is waterproof and ratproof. Has adjustable screen and wire agitators. The No. 84 is divided into 5 compartments, to allow for grit, charcoal and shell.

	Width	Capacity	Postpaid
<b>No. 83</b>	—24 in.	32 qts.....	\$2.00 \$2.16

## MASH OR GREEN FEED TROUGH WITH STAND

Made from heavy galvanized iron and furnished with heavy wire hinged top trough. Easily removed from stand for filling or cleaning. Stand made from heavy galvanized angle iron with wood perches. Two sizes for grown fowls. Fig. 1.

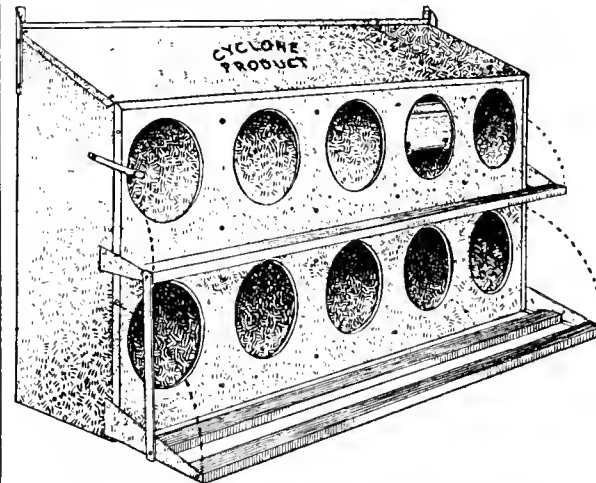
	Size	Weight.	
<b>No. 48</b>	—48 in.	17 lbs..	\$3.50—not mailable
<b>No. 60</b>	—60 in.	21 lbs..	4.00—not mailable



## "CYCLONE" GRIT BOXES

Poultrymen have recognized that the feeding of grit, charcoal and ground shells is very essential. The compartment box here illustrated is inexpensive and practical, making an economical method of supplying grit, etc. Can also be used as feed hopper for baby chicks. Made of galvanized iron, no solder used in their construction.

**No. 103**—8 in. long...80c., postpaid 90c.  
**No. 45**. Two compartments, holds 1 qt. 40c., postpaid 47c.



## SANITARY LAYING NEST

Cyclone nests hang on the wall with heavy metal hooks. Their open back makes cleaning quick and easy. Swing them out from the wall and rap the side of the nest with your hand and the litter will fall out. Simple and easy to clean. Being easily cleaned keeps Cyclone nests sanitary. The steep sloping roof prevents hens from roosting on top. The perches can be raised on all Cyclone nests and effectively close the opening, so that hens cannot roost on perches or in the nests. Broody hens are kept out of the nests and off the perches at night. Smooth turned openings.

Size of nest, measurement over all, 55 in.; each section approximately 12 1/4 in.; at front, 13 in. deep, 10 1/2 in. wide; diameter of hole 8 in.  
**No. 105**— 5 Nests, without trap front. Shipping weight, 23 lbs.....\$4.50  
**No. 110**—10 Nests, without trap front. Shipping weight, 41 lbs..... 9.00  
 Not mailable

## TRAP NEST FRONTS

See page 62.

## LITTLE PUTNAM STOVE FOR POULTRY FOUNTAINS AND OAT SPROUTERS



**Burns a Month Without Attention**

This little device will keep water from freezing in zero weather. It holds 6c. worth of oil and burns a month without filling or trimming. Foolproof and fire safe. Used under any can, crock or fountain. Also used to heat a home made oat sprouter. Plans for making sprouter packed with every stove. \$2.00, postpaid.

## SURE TRIP TRAP NEST FRONT

Simple mechanical device, ingeniously designed, which accurately traps. Easily attached to an orange box or any home-made nest. Very inexpensive. Each 35c.; postpaid, 42c.; 3 for \$1.00, postpaid; 100 for \$25.00, f.o.b. Baltimore, Md.

## CYCLONE TRAP NEST FRONT

No. 116. Each 30c., postpaid 40c.

## OAKES TRAP NEST FRONTS

You can use this front to make a trap nest out of any ordinary orange box, small dry goods box, etc. Entirely practical, but inexpensive. Opening 9x10½ in. Each 25c., postpaid 35c.

## NEST EGGS AND WIRE NESTS

These nests are strongly made from coppered wire, reinforced with coppered steel ribs, and will last for years. They are intended to fasten to the wall with screws or screw hooks. There is no room on them for lodgment of lice or vermin of any kind; they are easy to keep clean, and are far superior to wooden boxes. Each 25c., doz. \$2.50. Parcel post weight, 1 lb. each.

**Opal Nest Egg.** Each 5c.; doz. 40c., postpaid 50c.

**M.-S. Lime Nest Egg.** Will last indefinitely. Looks most natural. Each 5c., doz. 50c., postpaid 60c.

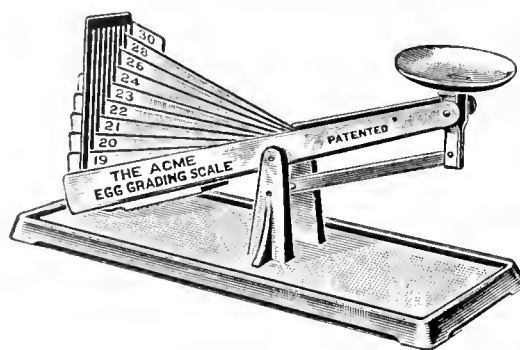
**Chatfield's Napthalene Nest Eggs.** Keeps vermin away, disinfects nest. Each 5c., doz. 50c., postpaid 60c.

## WATER GLASS

Put your eggs down in the Spring and Summer when they are cheap and keep them fresh for 10 months. 1 gal. makes sufficient solution for 50 to 60 dozen. 1 qt. 35c., 1 gal. \$1.00. Liquid not mailable.

## CARBOLA

The powder of many uses. Carbola is a white paint and powerful disinfectant combined in powder form. It is ready to use as soon as it is mixed with water. It can be easily and quickly applied to building interiors with brush or spray pump. Disinfects and dries pure white. Does not flake or peel off. 1 lb. covers 100 sq. ft. 5 lbs. 75c. (makes 2½ gals.), postpaid 87c.; 10 lbs. \$1.25, postpaid \$1.42; 50 lbs. \$5.00, postpaid \$5.60.



## ACME EGG GRADING SCALE

Has been officially adopted as the standard scale in many sections of the United States. Will grade all eggs ranging from 19 ozs. to 32 ozs. per dozen. Made entirely of aluminum which makes it rustproof. Indicates grade instantly. Each \$2.85, postpaid.

## CARBOLINEUM Genuine

A wood preservative, prevents rot and decay of woodwork above and below ground or water, and where subject to attacks of fungi, white ants and other borers. Also used to destroy chicken ticks and red mites in poultry houses. Gal. \$1.50. Not mailable.

## POULTRY LITTER

A most sanitary and economical litter for poultry. Peck 25c., ½ bu. 40c., bu. 60c., bale (20 to 22 bus.) \$2.50. Prices on larger quantities on quotation.

## POULTRY HOUSE SCRAPER

This scraper is a real tool for cleaning dropping boards. A very handy tool around the barn and house, for scraping floors, leveling gardens and scraping snow and slush from walks. \$1.25, postpaid \$1.35.

## ANTI-SETTING DEVICE (Patent Applied For)

Stops the hen setting. Breaks them up in 24 hours. Does not in any way injure the fowl. Requires five seconds to apply. Wrap around the leg joint blank sides front and back; allow the hen to feed and run with the flock 24 hours, then remove. Each 15c., doz. \$1.50, postpaid.



## CEL-O-GLASS

*The Glass Substitute*

Now guaranteed for 5 years. It is the only ultra-violet ray window material on a wire mesh base with published scientific proof that it increases egg production and reduces chick losses. Properly installed, it lasts for 5 years and longer. For longest life install on vertical frames to swing up under the roof or to the side—or install on sliding frames to slide down behind the front just under the window opening. Much stronger and lighter than glass. Can be used wherever glass is used. 300 sq. ft. to the roll. Cut any size from 1 running foot up. Per running foot: 28 in. wide, 32c.; 36 in. wide, 41c.; postage, 10c. for 1 running foot; 1c. extra for each additional running foot; 100 ft. rolls, 28 in. \$31.00; 100 ft. rolls, 36 in. \$39.00.

## VIO-RAY (Glass Cloth)

Use in place of ordinary glass. Permits the ultra violet rays to enter, but effectively keeps out wind and rain; buildings will be from 10 to 12 degrees warmer when this material is used. 1 sq. yd. 23c., 10 sq. yds. or more, 20c. per sq. yd.; postage, 10c. for 1 sq. yd.; 1c. extra for each additional square yard.

## DAIRY ACCESSORIES

**So-Bos-So Fly Killer** (Improved Cattle Spray). Gal. \$1.60.

**Bag Balm.** For all diseases of the cow's udder and teats. 60c., postpaid.

**Kow Kare.** The great cow tonic. 65c., postpaid 73c. 2¼ lbs. \$1.25; postpaid \$1.34.

**Floating Dairy Thermometer.** Each 30c., postpaid 35c.

**B-K.** See page 65.

## DIAMOND MESH POULTRY NETTING

Put up in rolls of 150 running feet. Galvanized after weaving.

	2 in. No. 20 Wire	1 in. No. 20 Wire
12 in.....	\$1.00	\$2.20
18 in.....	1.40	3.15
24 in.....	1.80	4.05
36 in.....	2.40	5.50
48 in.....	3.25	7.30
60 in.....	4.00	9.15
72 in.....	4.85	10.95

2 in., less than roll lots, 1c. sq. ft.; 1 in., 2c. Price subject to change without notice.

**Poultry Wire Staples.** Lb. 10c.

## STEEL FENCE POST WITH GROUND PLATE

Superior strength, attractive appearance, maximum durability, unequaled economy. These posts are heartily recommended for use with field fences of all types—poultry, garden, arbor, residences and estates.

	Length	Weight	Price
<b>Line Post</b> .....	3 ft.	4.38 lbs.	\$0.20
<b>Line Post</b> .....	5 ft.	6.63 lbs.	.34
<b>Line Post</b> .....	6 ft.	7.75 lbs.	.39
<b>Line Post</b> .....	7 ft.	9.13 lbs.	.47
<b>Line Post</b> .....	8 ft.	10.25 lbs.	.55
<b>End Post</b> .....	6 ft.	40.50 lbs.	2.50
<b>End Post</b> .....	7 ft.	42.75 lbs.	2.65
<b>End Post</b> .....	8 ft.	45.00 lbs.	3.00

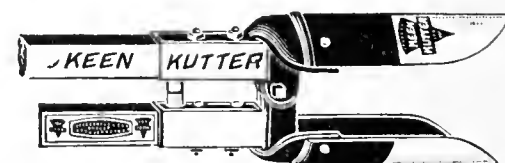
## FENCING—STOCK, FIELD AND POULTRY

**"American" Poultry and Rabbit Fence.** For poultry yards, gardens, orchards and yards; it is a great favorite. 165 running feet. 48 in., \$7.25; 58 in., \$8.00.

**Banner Poultry Fence.**

36 in., 165 ft. \$5.25    60 in., 165 ft. \$7.25  
48 in., 165 ft. 6.25    72 in., 165 ft. 8.25

**Hardware Cloth.** 3x3 mesh. 24 in., 30 in. and 36 in. sizes. 5½c. per sq. ft. in roll lots, 7c. per sq. ft. in less than roll lots.



## KEEN KUTTER POST HOLE DIGGER

Highest grade crucible steel blades. 9 in. deep, 5 in. wide; select ash handles with graduation marks in feet burned on, from 2 to 4 ft.; will dig hole 6 in. in diameter. \$2.25. Postpaid \$2.50.



## METAL EGG CRATES

### Sell Eggs by Mail to Your City Friends

Indestructible; made for interchangeable shipments; lasts for years. Pays for itself in a few shipments. Realize more money for your eggs.

Butter and eggs safely carried by mail in same crate. Can also be used in sending other products. See Combination Crate.

### Metal Egg Crate Prices and Mailing Weights

Size, All Eggs	Empty	Filled	Price	Post-paid
1 doz.....	2 lbs.	4 lbs.	\$1.00	\$1.08
2 doz.....	4 lbs.	6 lbs.	1.25	1.35
3 doz.....	4 lbs.	8 lbs.	1.50	1.60
4 doz.....	5 lbs.	11 lbs.	1.75	1.86
6 doz.....	6 lbs.	15 lbs.	2.00	2.12
9 doz.....	8 lbs.	22 lbs.	2.50	2.64
12 doz.....	10 lbs.	28 lbs.	3.00	3.16

### Prices—Combination Crates with Metal Containers

	Postpaid
No. 1—2 lbs. and 1 doz. eggs.	\$1.25 \$1.32
No. 2—4 lbs. and 2 doz. eggs.	1.75 1.83
No. 3—4 lbs. and 3 doz. eggs.	2.00 2.09
No. 4—6 lbs. (three 2-lb. containers).....	2.00 2.09
No. 5—12 lbs. (three 4-lb. containers).....	2.25 2.35
No. 6—16 lbs. (two 8-lb. containers).....	2.25 2.35
No. 7—24 lbs. (two 12-lb. containers).....	3.25 3.50

## HUMPTY DUMPTY EGG CARRIER

A very light, strong and convenient egg crate and carrier. Made of hardwood slats securely fastened. The lid with handle, springs into position when crate is filled. Collapsible. 12 doz. 75c., postpaid 86c.

## M.-S. EGG BOX

This is an ideal box for the retail egg trade holding one dozen, presenting the goods to the customer in an attractive package. They knock down in very compact shape. Doz. 15c., weight, 2 lbs.; \$1.30 for 125, weight, 11 lbs.; 250 \$2.50, postpaid \$2.87; 1000 \$8.50

## THERMOMETERS

**M-S Brooder Thermometer.** Easily read. 50c. each. Postpaid 60c.

**Buckeye Incubator Thermometer.** \$1.00, postpaid \$1.10.

**Buckeye Brooder Thermometer.** \$1.25, postpaid \$1.35.

**Buckeye Electric Brooder Thermometer.** \$1.25, postpaid \$1.35.

**"Tycos" Incubator Thermometer.** Many poultry raisers prefer the standing type of incubator thermometer. No. 5776 is made with metal legs which fold under and may be adjusted to almost any desired position. Sets in among the eggs on the tray of the incubator. Made in mercury tubes only. Each 75c., postpaid 80c.

**"Tycos" Certified Thermometer No. 5783.** \$1.00, postpaid \$1.05.

**"Tycos" Brooder Thermometer No. 5792.** Mounted. 75c., postpaid 85c.

**"Tycos" Incubator Hygrometer, No. 5796.** \$1.50, postpaid \$1.55. Extra wicks, each 10c., postpaid.

## INCUBATOR AND BROODER REPAIRS

We carry a full line of Buckeye Incubator and Brooder Repairs.

**Incubator Wicks.** State sizes wanted. 5c. each, doz. 50c., postpaid.

**Brooder Wicks. No. 20, 40c.; No. 30, 60c.,** postpaid.

**Putnam Stove Wicks. 2 for 5c. Holder and Wick, 10c.,** postpaid.

**Putnam Heater Wicks. 2 for 5c. Holder and Wick 10c.,** postpaid.

**Incubator and Brooder Lamp Burners.** For Buckeye, Cyphers and other makes. **Nos. 2 and 3, large size, \$1.00;** postpaid \$1.07. **No. 1 takes 1 in. wick, has large flame. 75c.,** postpaid 82c.

**Chimneyless Lamp Burner. 65c.,** postpaid. 75c.

## CAPONIZING SETS, POULTRY MARKERS, ETC.

**Philadelphia Caponizing Set.** In plain box, \$3.00; in velvet-lined box, \$3.50, postpaid.

**Lansdowne No. 1 Caponizing Set. \$5.00,** postpaid.

**Cornell Caponizing Set. \$6.00,** postpaid.

**French Poultry Killing Knife. 50c.,** postpaid.

**Gape Worm Extractor. 25c.,** postpaid.

**Poultry Marker.** In shape of pliers. 25c., postpaid.

**Petty's Vest Pocket Poultry Punch.** For convenience it has no equal. 25c., postpaid.

**Petty's Lever Punch.** Closes hole to prevent bleeding. 50c., postpaid.

**Philadelphia Poultry Marker. 25c.,** postpaid.

## LEG BANDS FOR POULTRY AND PIGEONS



When ordering bands, state for which breed.

### M.-S. Ribbon Bands.

This is an exceptional band; in fact, the best celluloid band ever produced. It has a good, large number that is indestructible so far as wear is concerned. The best band ever made for use in trap-nesting. Made in six sizes, nine colors.

Per 100, postpaid

**No. 1—Chick size, day old. .... \$1.25**

**No. 2—Chick size, two weeks old, or for pigeons. .... 1.25**

**No. 3—Mediterranean breeds. .... 1.50**

**No. 4—American breeds. .... 1.60**

**No. 5—Asiatic breeds. .... 1.75**

**No. 6—Turkeys and geese. .... 2.75**

In small lots, all sizes, doz. 25c., but No. 6, doz. 35c.

**Spiralet Leg Bands.** Are made of celluloid in different colors. Black, white, light blue, dark blue, red, green, yellow. Three poultry sizes (state breed and sex): 12, 15c.; 50, 35c.; 100, 60c.; 1000, \$4.50. Pigeon and Day Old Chick Size: 12, 10c.; 25, 20c.; 50, 35c.; 100, 50c.

**Wing Bands.** The best clinch or seal wing band manufactured. Doz. 15c., 25, 25c.; 50, 35c.; 100, 60c., postpaid.

**Adjustable Leg Bands.** Adjustable in two sizes. Large for American, small for Mediterranean breed. Doz. 15c.; 25, 25c.; 50, 40c.; 100, 60c.; 250, \$1.25; 1000 \$4.75.

**Economy Double Number Colored Pigeon Bands.** For marking nest pairs. This band is the most visible, numbered on both sides, in 12 colors, black numbers on white field. 6 pairs, 25c.; 12 pairs, 40c.; 25 pairs, 75c.; 50 pairs, \$1.35.

All Bands Postpaid

## WAFER THERMOSTATS

All brass, fits all makes brooders and incubators. 3 in. 30c., 4 in. 40c., 5 in. 50c.; postage, 5c. extra.

## PIGEON FEEDERS AND FOUNTAINS

### EARTHENWARE POULTRY FOUNTAINS (Black Glazed)



The poultry fountains supply a constant flow of pure water. Made in 2 pieces, can be easily kept clean and sanitary. The slot also permits the use of thick milk or other heavy liquids. In following sizes:

2 qt. size. .40c.  
4 qt. size. .50c.  
Not available.

## THE NEW DRY-NOT VALVE

Will save time and labor, keeps (2 qts. to 2 gals.) water troughs full in brooder house, laying house or range, whether connected to barrel, gravity, or pressure system. No chatter or pressure noises. Quickly shut off for cleaning troughs, etc. Made of brass, frost-proof, dependable. Fully guaranteed.

\$1.25, postpaid

**Leader Fountain.** A new sanitary fountain, easy to keep clean. A saving of from 30 to 40 per cent over any fountain of its size. 1½ gal. size, each 85c., postpaid 95c.

**"Peerless" Drinking Fountain.** Keeps the water clean and pure. 5 qts. 90c.; postpaid; \$1.00.

**Feed Cups for Exhibition and Training Cages.** Large size, No. 1, each 20c., doz. \$1.75; small size, No. 0, each 15c., doz. \$1.50, postpaid.

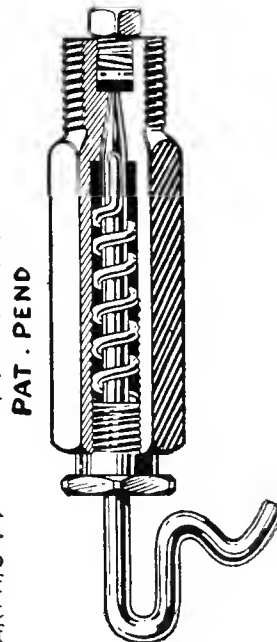
## ELECTRIC FOUNTAIN HEATER

Keeps drinking water from freezing, even in zero weather. Safe and easy to use. No danger of fire or explosion. Cost averages about a cent a day. Used with any type fountain pan, crock or bucket. No adjusting. No regulating. \$1.75, postpaid.

## FOUNTAIN HEATER 3-WAY ELECTRIC

Operates on three temperatures—high, medium and low. \$3.00, postpaid.

**Clay Pigeon Nest.** Each 25c., doz. \$2.50. Express only.



# POULTRY AND DOG FOODS, DISINFECTANTS, TONICS, ETC.

On articles not marked postpaid, allow 8c. for the first lb., 2c. for the second lb., and 1c. for every additional lb. Prices on all Foods subject to change without notice. Prices on larger quantities on request

**ALFALFA CLOVER MEAL.** Rich in protein and especially desirable for young birds. Lb. 5c., 100 lbs. \$2.50.

**BARLEY.** Principally fed for making feathers and bone. Lb. 5c.

**BEEF SCRAPS.** 50 to 55 per cent protein. Lb. 5c., 10 lbs. 45c., 100 lbs. \$3.50.

**BONE, POULTRY.** Very beneficial as a bone builder. Lb. 5c., 100 lbs. \$3.00.

**BRAN (Wheat).** For mash, etc. An excellent egg maker and very nutritious. Lb. 5c.

**BUCKWHEAT.** Fed very largely as change of diet. Lb. 5c.

**BUTTERMILK SEMI-SOLID.** Gal. can 90c. 140 lb. barrel (these vary in weight) at 4c. per lb.

**CANADA PEAS.** Principally fed to pigeons. Lb. 7c.

**CHARCOAL.** Three grades—fine, medium, and coarse. Disinfects the bowels and tones up the whole system. Lb. 5c., 10 lbs. 45c., 50 lbs. \$1.25.

**CORN CHOPS.** Suitable for mash or little chicks. Lb. 5c.

**CORN CRACKED.** Carefully sifted; fine or coarse. Lb. 5c.

**CORN, WHOLE.** Lb. 5c.

**GLUTEN MEAL.** For feeding poultry and cows. Lb. 5c.

**GRIT (Limestone).** Fine, medium, and coarse. 5 lbs. 10c., 50 lbs. 75c., 100 lbs. \$1.25.



**GRIT (Red Cross Health).** For pigeons. 5 lbs. 20c., 10 lbs. 35c., 25 lbs. 65c., 50 lbs. \$1.25, 100 lbs. \$2.25.

**HEMP SEED.** Fed largely to pigeons. Lb. 6c.

**KAFFIR CORN.** For pigeons and poultry. Lb. 5c.

**LINSEED MEAL.** For the moulting period. Lb. 5c.

**MIDLINGS.** For poultry and hogs. Lb. 5c.

**MILLET.** Used for pigeons and young chickens. Lb. 5c.

**OATS.** Splendid for sprouting. Lb. 5c.  
**Rolled Oats.** Lb. 5c.

**OAT MEAL (Pin Head).** An excellent food for chicks. Lb. 5c.

**OATS, HULLED.** A splendid food for young chicks. Lb. 5c.

**OATS, GROUND.** A splendid growing feed. Lb. 5c.

**OYSTER SHELLS.** Fine and coarse. 5 lbs. 10c., 50 lbs. 75c., 100 lbs. \$1.25.

**PIGEON FOOD.** Lb. 5c., 100 lbs. \$3.50.

**POUL TOBAC (Tobacco Powder and Tonic).** For the elimination of large and small round worms in poultry. Use 2 lbs. to 100 lbs. of mash. Lb. 10c., postpaid 20c.; 10 lbs. 75c., postpaid 92c.; 50 lbs. \$3.00, postpaid \$3.60; 100 lbs. \$5.00, f.o.b. Baltimore, Md.

**SUNFLOWER SEED.** For poultry, parrots, etc. Lb. 10c.

## SERGEANT'S DOG REMEDIES

**Nerve Sedative.** \$1.20, postpaid \$1.28.

**Special Medicine.** \$1.20, postpaid \$1.28.

**Diuretic Pills.** 60c. postpaid.

**Mange Medicine.** 65c., postpaid 75c.

**Condition Pills.** 60c. postpaid.

**Sure Shot Capsules.** 60c. postpaid.

**Sure Shot Liquid.** 60c., postpaid 70c.

**Arsenic and Iron Pills.** 60c. postpaid.

**Dog Rub (A Liniment).** 60c., postpaid 70c.

**Canker Wash.** 60c., postpaid 70c.

**Cough Medicine.** 60c., postpaid 70c.

**Well Mouth (Sore Mouth and Black Tongue).** 60c., postpaid 70c.

**Eye Wash.** 60c., postpaid 70c.

**Tape Worm Medicine.** 60c. postpaid.

**Rheumatism Pills.** For muscular soreness. 60c. postpaid.

**Constipation Capsules.** 60c. postpaid.

**Skip-Flea Soap.** 25c. postpaid.

**Carbolic-Tar Soap.** 25c. postpaid.

## BIRD AND FISH FOODS



Lb.

**Canary Seed....** 10c.

**Bird Rape.....** 10c.

**Millet.....** 5c.

**Poppy or Maw.....** 20c.

**Thistle.....** 20c.

**Sunflower.....** 10c.

**Hemp Seed....** 6c.

**Mixed Bird Seed.....** 10c.

**Flax Seed.....** 15c.

*Special price on all the above in quantities*

**Cuttle Fish Bone.**

Each 5c., lb. 50c. postpaid.

**Forget-me-not Wild Bird Seed Mixture.**

Feed the little songsters in the Winter time. Lb. 10c., postpaid 20c.; 10 lbs. 90c., postpaid \$1.08.

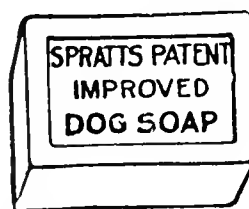
**Bird Sand.** For canaries and other birds. Very necessary. What we offer is sifted and free from all dust. Carton, 10c. postpaid, 20c.

**Catnip Mouse.** Make kitty happy. 10c. postpaid.

## FREE BOOKLET

on the care and feeding of cage birds and aquarium fish sent on request.

## SPRATT'S PATENT DOG SOAP (White) for Fleas



Is of the greatest value to dog owners, as it is entirely free from poison and at the same time aids in the destruction of lice and fleas. Moreover, it keeps the skin free from scurf, aids in the prevention of mange and certain other skin diseases. Spratt's Patent Dog Soap contains no carbolic acid or coal tar but is nicely perfumed and produces a fine lather. Recommended by kennel owners throughout the world. Per cake 25c., postpaid 30c.

## BURNETT'S UNEXCELLED BIRD FOODS

**Burnett's Lightning Bird Regulator.** 25c., postpaid 32c.

**Burnett's Unexcelled Bird Food.** 25c., postpaid 32c.

**Burnett's Nestling Food.** 20c., postpaid 25c.

**Burnett's Bird Nesting.** 10c., postpaid 15c.

**Burnett's Bird Nests.** 10c., postpaid 15c.

**Natural Fish Food.** 10c., postpaid 12c.

**Bird Balm.** 10c., postpaid 12c.

**Bird Salve.** 10c., postpaid 12c.

**Louse Powder.** 15c., postpaid 20c.

**Bird Wash.** 20c., postpaid 25c.

**Parrotfood.** Polly nut mixture. 20c., postpaid 30c.



## SPRATT'S BIRD FOODS

**Sing-Song.** A song restorer in cake form. 10c., postpaid 15c.

**Egg, Fruit and Seed Canary Mixture.** 25c., postpaid 30c.

**Cod Liver Oil Cage Bird and Nestling Food.** 15c., postpaid 20c.

**Moulting Food.** A feather producer. 25c., postpaid 30c.

**Red Mite Trap.** A necessity, to rid the bird of lice. 25c. postpaid.

## SPRATT'S DOG MEDICINES

Price includes postage

**Sulfur Tablets.** For heated blood, etc. \$0.60

**Nerve Sedative Tablets.** For St. Vitus' Dance, etc. .60

**Cough Tablets.** Generally effect a quick cure. .60

**Constipation Tablets.** A gentle and effective laxative. .60

**Astringent Tablets.** To relieve diarrhoea. .60

**Special Tablets.** Used in the treatment of distemper. 1.00

**Ear Canker Ointment.** For internal and external use. .75

**Ointments.** For certain forms of mange and eczema. .60

**Flea Powder.** For dogs and cats. Tin. .30

**Purgative Tablets.** Perfectly safe and effective. .60

**Tonic and Condition Tablets.** To build up. .60

**Capsules.** For ascarids and large, round worms. .60

**Capsules for Puppies.** For ascarids and large round worms. .60

**Tonic and Condition Tablets.** Toy dogs and puppies. .60

**Special Tablets.** For toy dogs and puppies. 1.00

# Conkeys

## THE ORIGINAL BUTTERMILK FEED

*Vitalized with Y-O*

For baby chicks, ducklings, goslings, turkeys and pheasants. This feed truly "fills the bill" because it carries all the body building properties your chicks must have to live, thrive and become vigorous, husky broilers. The right kind and correct amount of every element needed—proteins, carbohydrates, fats, minerals and vitamins—is in this starter and all are combined to bring about a rapid growth, strong bone development, and vigorous, sturdy chicks. 5 lbs. 35c., postpaid 50c.; 10 lbs. 60c., postpaid 78c.; 25 lbs. \$1.10, postpaid \$1.43; 50 lbs. \$2.00, postpaid \$2.58; 100 lbs. \$3.75, not postpaid.

## CONKEY'S GECCO GROWING MASH WITH Y-O

If the growing stock at any time lack vitamins A, B and D, the result will be slow-developing, undersized pullets. For this reason we recommend feeding Conkey's Gecco Growing Mash with Y-O. Then their rapid development, their blood-red combs, yellow legs, lustrous plumage and alert bearing will amaze and delight you. You will experience the "big thrill" that always comes when the whole flock of pullets snap into a lay almost simultaneously. Lb. lots 5c., 100 lbs. \$3.50.

## CONKEY'S Y-O COD LIVER OIL AND SUNLIGHT

Conkey's Y-O is a powder which can be readily mixed with any dry mash. It is unusually tasty and palatable to poultry. Hence fowls eat it greedily, as do all birds and animals. Lb. pkg. 50c., postpaid 57c.; 2 lb. pkg. 90c., postpaid 98c.; 5 lb. pkg. \$1.60, postpaid \$1.71; 25 lb. drum \$5.45, postpaid \$5.76; 50 lb. drum \$9.75, postpaid \$10.31; 100 lbs. drum \$17.50, f.o.b. Baltimore, Md.

## CONKEY'S POULTRY REMEDIES

*Known the World Over*

### CONKEY'S OLD RELIABLE POWDER (Formerly Conkey's Roup Remedy)

Known to poultrymen everywhere as Conkey's Roup Remedy. Keep it on hand for use in emergency or put it in drinking fountains on cold, rainy days or when there is a sudden change in weather. Pkgs. 25c., 50c., \$1.00; 1½ lb. can \$2.35, all postpaid; 5 lb. can \$5.50, postpaid \$5.75.

### CONKEY'S POULTRY PILLS (Formerly called Conkey's Roup Pills)

Pkts. 25c., 50c., \$1.00, all postpaid. Breeder size (1000 pills) \$2.75, postpaid \$3.00.

### CONKEY'S BALMO

(Formerly called Conkey's Canker Special)

A soothing, cooling application for relieving irritation around swollen eyes and head and in the mouth when treating conditions caused by colds and similar troubles. Pkg. 50c., postpaid 55c.

### CONKEY'S SALVO

(Formerly called Sorehead Remedy)

Good to have on hand for treating sores, cuts and wounds of any description. Pkgs. 25c., 50c., or 30c., 55c., postpaid.

## CONKEY'S DIATEX

(Formerly called Conkey's White Diarrhea Remedy)

Once you have used this old reliable preparation you will never be without it. Play safe—keep this remedy in the drinking water of all baby chicks until danger period of the first few weeks is past. Pkgs. 25c., 50c., \$1.00, all postpaid. Breeder size (950 tablets) \$3.75, postpaid \$3.85.

## CONKEY'S NOX-I-CIDE

(Dip and Disinfectant)

For poultrymen, Nox-I-Cide is indispensable as a red mite destroyer. Paint it on the roosts and spray it into cracks. Spray premises daily when disease is present and once a week as a preventive of red mites, ticks, "blue-bugs" and disease epidemics. Cans: Pt. 40c., qt. 60c., 2 qts. 90c., gal. \$1.50. Not mailable.

## CONKEY'S POULTRY TONIC

Every bird will be healthier and more profitable if given a good tonic and regulator. Conkey's Poultry Tonic helps birds get more out of their feed. They produce more eggs and better flesh on less feed, by better digestion and assimilation. Pkgs., 1½ lbs. 25c., 3¼ lbs. 50c., 7 lbs. \$1.00, postpaid 50c.; 10 lb. bag 60c., postpaid 78c.; 25 lbs. \$1.10, postpaid \$1.43; 50 lbs. \$2.00, postpaid \$2.58; 100 lbs. \$3.50. Price fluctuates. Parcel post, express or freight charges extra.

# Pratts.

## PRATT'S BUTTERMILK BABY CHICK FOOD

The original "baby food for baby chicks." Equally good for young turkeys, guineas, ducks, pheasants and game birds. A perfect "baby food" for young fowls. 5 lb. bag 35c., postpaid 50c.; 10 lb. bag 60c., postpaid 78c.; 25 lbs. \$1.10, postpaid \$1.43; 50 lbs. \$2.00, postpaid \$2.58; 100 lbs. \$3.50. Price fluctuates.

## PRATT'S GROWING MASH

Lb. 5c., 100 lbs. \$3.00.

## PRATT'S LAYING MASH

Lb. 5c., 100 lbs. \$2.75.

## PRATT'S CHICK SCRATCH

Lb. 5c., 100 lbs. \$3.00.

## PRATT'S INTERMEDIATE SCRATCH

Lb. 5c., 100 lbs. \$2.75.

## LARGE SIZE SCRATCH FEED

Lb. 4c., 100 lbs. \$2.50.

*Prices subject to market fluctuations*

## REMEDIES

### PRATT'S POULTRY REGULATOR

For health and eggs. Use it the year 'round for breeders, layers and growing stock. Pkgs. 25c. and 50c., postpaid 33c. and 61c.; 12 lb. pkg. \$1.40, postpaid \$1.60; 25 lb. pail \$2.50, postpaid \$2.81; 100 lb. drum \$8.50. F.o.b. Baltimore, Md.

Prices on Feeds subject to market fluctuations

## PRATT'S—Continued

### PRATT'S N-K CAPSULES

For poultry worms. Pratt's N-K Capsules are quick, sure death for worms. They are recommended by authorities and county agents everywhere. Adults: 50 capsules 75c., 100 capsules \$1.35, 500 capsules \$5.00, 1000 capsules \$9.00. Chicks: 50 capsules 50c., 100 capsules 90c., 500 capsules \$3.50, 1000 capsules \$8.00, postpaid.

### PRATT'S DISINFECTANT

Insures poultry health. It is an economical, powerful, non-poisonous, coal tar disinfectant. Qt. 50c., ½ gal. \$85c., gal. \$1.45. Not mailable.

### PRATT'S LICE KILLER

For use on poultry in dust baths, nests, etc. World's champion killer of life, ticks, and other insect pests. In sifter cans, 25c. and 50c.; postpaid, add 8c. and 10c.

### PRATT'S CHICK TABLETS

Use in the drinking water for the first couple of weeks. They will save you many dollars in chicks. Guaranteed. Pkgs. 25c. and 50c. postpaid.

### PRATT'S R-P TABLETS

Save your birds from heavy roup loss. Guaranteed to get satisfaction or your money back. Pkgs. 25c. and 50c., postpaid.

### PRATT'S SPECIAL COMPOUND

Pkg. 50c., postpaid.

### PRATT'S GAPE COMPOUND

Pkg. 50c., postpaid.

### PRATT'S CHICKEN POX REMEDY

Pkg. 60c., postpaid.

### ANIMAL REGULATOR

Made of pure medical roots, herbs and barks. Carefully blended in the exact proportions necessary to act on the blood and cause perfect digestion. Keeps stock in the pink of condition. Pkg. 25c., postpaid 32c.; 50c., postpaid 58c.

### PRATT'S HOG TONIC

Makes healthy hogs. Pkg. 50c., postpaid 58c.

### PRATT'S ROOST PAINT

Will kill body lice on fowls and start your flock toward profits. It makes it easy, convenient and inexpensive to delouse every bird. You merely paint the roost and a small can goes a long way. At night, the fumes from Pratt's Roost Paint, and the feathers coming in contact with the painted roosts—kill lice on the fowls. There are no irritating or harmful effects to the birds. Lice die overnight while your flock rests in undisturbed sleep. Pratt's Roost Paint kills the majority of lice the very first night. Not mailable.

Net Weight	Size Pkg.	No. Hens Deloused	No. Ft. of Roosts
10 oz.	½ pt.	200 to 250	150 ft. \$0.75
1¼ lbs.	1 pt.	375 to 500	300 ft. 1.25
2½ lbs.	1 qt.	750 to 1000	600 ft. 2.00
10 lbs.	1 gal.	3000 to 4000	2400 ft. 6.00

### TOXITE

*Disease Control Spray*

Very effective in the control of coccidiosis, round worm and red mites, which are transmitted by contaminated litter. 1 gal. \$1.40, not mailable.

### B-K DISINFECTANT, DEODORANT

10 ozs. 50c., qt. 90c., gal. \$2.00, 5 gals. \$8.50. Not mailable.



**WALKO REMEDIES**

**Walko White Diarrhea, Roup and Cholera Tablets.** 50c. and \$1.00 pkg., both postpaid.

**Walko Egg Maker (Tonix).** 50c. and \$1.00; postpaid, 60c. and \$1.15, respectively.

**Walko Special Lice Powders.** 50c., postpaid.

**LEE'S REMEDIES**

**Lee's Lice Killer, Liquid.** Qt. 60c., 2 qts. 90c., gal. \$1.50. Not mailable.

**Lee's Germozone.** The best tonic for poultry of all kinds. Cures roup, cholera, and other poultry diseases.

4 oz. bottle...40c. 32 oz. bottle...\$1.50  
12 oz. bottle...75c. Gal..... 4.50  
Not mailable.

**Lee's Vapo Spray.** Very beneficial for spraying around the roosting quarters at night in cases of roup, canker, bronchitis and pneumonia. Qt. 75c., ½ gal. \$1.25, gal. \$2.00. Not mailable.

**Lee's Leemulsion.** For roup, colds, bronchitis and pneumonia. \$1.00. Not mailable.

**Lee's "Gizzard Worm Capsule."** Expels worms without sickening the chicken or retarding egg production. Adult size, 50 capsules, \$1.00; 100 capsules, \$1.75. Pullet size, 50 capsules, 75c.; 100 capsule size, \$1.35; 500 capsule size, \$5.00. Chick size, 50 capsules, 50c.; 100 capsule size, 90c. All postpaid.

**DR. HESS POULTRY PANAMIN**

3 lbs. 50c., postpaid 60c.; 7 lbs. \$1.00, postpaid \$1.14; 15 lbs. \$2.00, postpaid \$2.22; 25 lbs. \$3.00, postpaid \$3.32.

**SULPHUR CANDLES**

For fumigating sick rooms, poultry houses, etc. Each 15c., postpaid 22c.; 2 for 25c., postpaid 33c.; doz. \$1.25, postpaid \$1.38.

**RUSSEL'S WORMER**

For expelling worms in chickens and turkeys. This preparation is in powder form and is excellent for flock treatment. 65c., postpaid 70c.

**FYLER'S CONNECTICUT FORMULA****The Premier Treatment for "Paralysis"**

Roy E. Jones, Extension Poultry Specialist, Connecticut Agricultural College, says: "Connecticut Formula has done more good than any other one thing used for enteritis and paralysis."

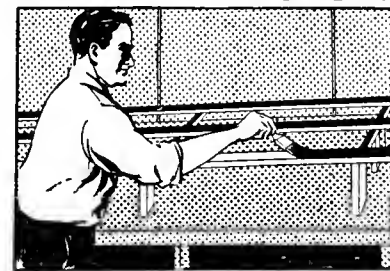
Irritation of the intestines may cause poultry to lose use of limbs. They continue to have a good appetite for some time, but lose weight rapidly, finally dying in a very emaciated condition. It does not pay to fuss with birds in advanced stages, but Fyler's Connecticut Formula is recommended for use when first symptoms are noticed. Our powder is prepared from a formula prescribed and recommended in publications issued by the Extension Service of the Connecticut Agricultural College. This should be sufficient indorsement for any progressive poultryman. 1 lb. is enough for 100 mature birds. Fed in the drinking water or mixed with mash. Full directions accompany each package.

15 oz. container.....Each \$0.75  
5 lb. container.....Each 3.00  
25 lb. container.....Each 14.50

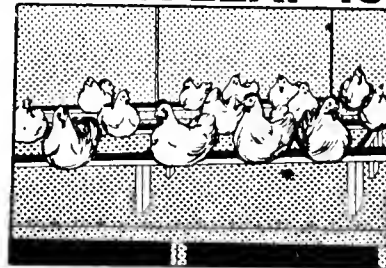
**FYLER'S "ANTI-PICK"**

*Absolutely Stops Cannibalism*

Dark days, long nights and close quarters precipitate the vicious and abnormal habit of cannibalism, toe and feather picking. This is not a disease and is readily checked by making the habit distasteful to the flock. At the first signs of "picking"—smear the paste all over the bird that has been abused, particularly on the affected part, also smear on about one-fifth of the rest of the flock—the birds do not like the taste of Anti-Pick and learn not to repeat the habit. 8 oz. jar, 50c.; 20 oz. can, \$1.00. Both postpaid.

**CONTROL LICE AND FEATHER MITES****"PAINT" THE ROOSTS**

**WITH "BLACK LEAF 40"**

**"BLACK LEAF 40"**

**WORKS WHILE THEY ROOST**

A new method of controlling poultry lice with "Black Leaf 40." This discovery of a new use for this "old reliable" and time-proven product will be of inestimable value to poultrymen everywhere. Simply paint on roost. Oz. bottle 35c., 5 ozs. \$1.00, lb. size \$2.10, 2 lb. tin \$3.10, 5 lbs. \$5.85, 10 lb. tin \$10.15, 50 lb. drum \$43.00. Not mailable. 5 oz. size treats 65 to 70 running feet of roost, other sizes in proportion.

**Dethol**

**IMPROVED**

Destroys all insects. It is stainless; can be sprayed direct on poultry. A thorough disinfectant. ½ pt. 29c., pt. 49c., qt. 89c., gal. \$3.00.

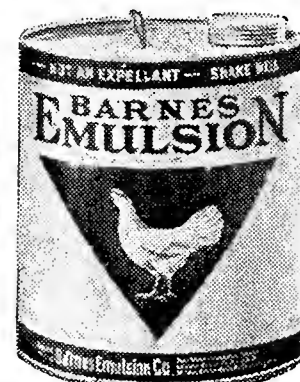
Being a liquid, it cannot be sent by parcel post; express only.

**Sprayers.** See page 49.

**"BLACK LEAF" WORM POWDER****A Single Dose Flock Treatment**

This product "Black Leaf" Worm Powder, contains 5 per cent of actual nicotine in an insoluble, odorless and tasteless form. The nicotine in "Black Leaf" Worm Powder is non-injurious to poultry when eaten in mash in doses considerably stronger than the average capsule or pellet. The nicotine remains insoluble in the mouth, throat, crop and gizzard and is not released until it reaches the place where it is needed, namely, the intestine—the seat of large roundworm infestation.

¼ lb.—treats 100 birds.....\$1.00  
1½ lbs.—treats 600 birds..... 4.00  
3 lbs.—treats 1200 birds..... 7.50  
Not mailable.

**BARNES EMULSION****Baby Chicks to Matured Fowls**

Fed in water or mash. Can be used in any kind of vessel. "An ounce of prevention beats a pound of cure." Non-poisonous, not an expellant, not a stimulant. Aids vitality, nutrition and digestion. Promotes rapid growth. Take a brood of baby chicks or a pen or flock of young stock or adult birds in which every-

thing else is equal except that one half of them shall receive Barnes Emulsion in their drinking water and the other half receive no emulsion. Then as the days pass by what you see with your own eyes in comparing these two groups for health, vitality, growth and production will convince you without question or doubt as to its effectiveness. Write for free booklet "Common Sense Vs. Worms."

1 qt.....Postpaid \$1.00  
1 gal.....Postpaid 3.00  
5 gal. keg (not mailable).....12.50

**SODIUM FLUORIDE (Talcumized)**

Small size, ½ lb. 35c., postpaid 44c.; lb. 60c., postpaid 70c.; 5 lbs. \$2.50, postpaid \$2.65.

**AVICOL**

*For White Diarrhea and Blackhead*  
50c. and \$1.00, postpaid.

**DON SUNG**

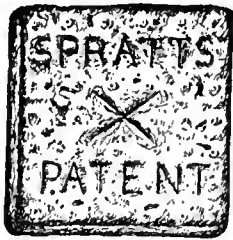
*(Makes Hens Lay)*

Tablets, 50c., \$1.00, \$5.00, postpaid.  
**Powdered Don Sung.** 3 lbs. \$5.00, 10 lbs. \$10.00, 25 lbs. \$20.00, postpaid.

**GROUP-OVER**

Formerly called Roup-Over. 50c. and \$1.00, postpaid.

SPRATT'S PATENT DOG FOODS



SPRATT'S MEAT FIBRINE DOG CAKES

*A Staple Food for All Breeds*

For sixty years the standard dog food, used by the leading breeders and fed at the principal dog shows throughout the world. The best results are obtained by giving the biscuits dry, not soaked, thereby compelling the dog to gnaw the food and thus producing a copious flow of saliva which materially aids digestion. Lb. 15c., 5 lbs. 65c., 10 lbs. \$1.25, 25 lbs. \$3.25, 100 lbs. \$11.50. Postage extra.

SPRATT'S SPIX

A medium size dog cake for all breeds. Prices same as above.

SPRATT'S OVALS

*The Pocket Dog Biscuit*

A small, meat-fibrine dog biscuit of superior quality. Appreciated by small, medium and large breeds. A few of these diminutive dog cakes can be carried in the pocket when on a ramble with the dog. Lb. 15c., 5 lbs. 70c., 10 lbs. \$1.35, 25 lbs. \$3.25, 100 lbs. \$12.00. Postage extra.

SPRATT'S FIBO

The standard kibbled food for years for all breeds. Lb. 15c., 10 lbs. \$1.40, 25 lbs. \$3.25, 100 lbs. \$12.50.

SPRATT'S ALL TERRIER MEAL

*For Very Active Dogs*

A highly nutritious, tissue building, muscle forming, bone making and conditioning food. Lb. 15c., 5 lbs. 60c., 10 lbs. \$1.15, 25 lbs. \$2.50, 100 lbs. \$9.00. Postage extra.

SERGEANT'S KIBBLED DOG FOOD

Sergeant's Dog Food is the result of long study and experience in feeding. It carries all the best food essentials, and is a quick, easy way to feed. We guarantee its high food value, as it contains clean, freshly cooked beef, and whole wheat flour, together with other ingredients. A properly balanced ration is proven by feeding this food to your dog. It shows in his improved health and vigor. A very nutritious food for dogs or puppies. Lb. 15c., 2 lbs. 25c., 5 lbs. 60c., 10 lbs. \$1.15, 25 lbs. \$2.75, 100 lbs. \$10.00. Postage extra.

D & G DOG FOODS

*A Highly Concentrated Food—Equal to Twice Its Weight in Meal*

They contain whole wheat flour, clean cooked beef, milk, malt, soda and other foods. They are carefully prepared in a clean, modern bakery. Three sizes: Kibbled and Puppy Meal. Lb. 15c., 2 lbs. 25c., 5 lbs. 55c., 10 lbs. \$1.00, 25 lbs. \$2.25, 100 lbs. \$8.00, Postage extra.

GLOVER'S CRESOL DISINFECTANT

This disinfectant has been analyzed by the U. S. Bureau of Animal Industry and meets all requirements. Our Cresol Disinfectant is a high powered, refined disinfectant, antiseptic and insecticide. Makes a clear solution with water instead of a cloudy or white mixture. There are many uses for it with all livestock, in treating wounds, injuries and sores of the skin, and as a wash to destroy lice and certain other parasites. Qt. can 50c., postpaid 60c.

CHAPPEL BROS. DOG AND CAT FOODS

KEN-L-RATION

Is composed of clean, wholesome meat, the best grade of cereals and Norwegian cod liver oil in exactly the right proportions to make a perfect balanced ration. Lb. can 15c., postpaid 23c.; 2 lbs. 25c., postpaid 34c. Case of 48 cans \$5.75, postpaid \$6.31.

KIT-E-RATION

The ingredients in this cat food contain properties so very essential for the growth and development of the cat or kitten. Lb. can 15c., postpaid 23c.; case (48 cans) \$6.00, postpaid \$6.56.

MARO-MEAT

This is a basic meat food and must be fed with other material. For this purpose we recommend boiled rice, rolled oats, barley, or other cereals may be used. Cooked vegetables are good, or dry bread. A 2½ lb. can supplemented with water and roughage as indicated above, will make from 8 to 10 lbs. of appetizing, nourishing food for kennel use. This food fills a real need to large users. Lb. 15c., postpaid 23c.; 2½ lbs. 40c., postpaid 50c.; case of 48 lb. cans \$6.00, postpaid \$6.56; 18 2½ lb. cans \$5.50, postpaid \$6.06.

KEN-L-BISKIT

*The Golden Cakes of Energy*

Ken-L-Biskits—small, square biscuits—can be fed to dogs of all kinds and all ages. Ken-L-Biskits, like Ken-L-Ration, contain all the nutritive elements so vital to growth, strength and ability to resist disease. Good for puppies. Good for grown dogs. Good for old dogs. Lb. 15c., postpaid 22c.; 2 lbs. 25c., postpaid 33c.; 5 lbs. 60c., postpaid 70c.; 10 lbs. \$1.15, postpaid \$1.31; 25 lbs. \$2.50, postpaid \$2.81; 50 lbs. \$4.75, postpaid \$5.21; 100 lbs. \$9.25, not postpaid.

This biscuit in kibbled form, same price.

KEN-L-WORTH (Kibbled)

Contains large percentage of fresh lean raw meat and is a splendid food for economical feeders. Lb. 15c., postpaid 22c.; 2 lbs. 25c., postpaid 34c.; 5 lbs. 55c., postpaid 68c.; 25 lbs. \$2.25, postpaid \$2.56; 50 lbs. \$4.25, postpaid \$4.81; 100 lbs. \$8.25, f.o.b. Baltimore, Md.

PEERLESS DOG FOOD

*A Food for Dogs and Puppies*

The best dog food on the market in the shape of meal; can be fed dry or wet. We have hundreds of customers who are feeding this highly nutritious food. Lb. 10c., 5 lbs. 40c., 10 lbs. 70c., 100 lbs. \$5.50. Price subject to change. Postage extra.



DOG FEEDING DISH

A substantial feeding dish, which will not tip over, and provides a clean, practical method of feeding. Diam. 10¼ in., depth 2 in. Each 35c., postpaid 42c.

Prices subject to change without notice

K-R-O (Kills Rats Only)

*A New Exterminator Absolutely Safe Anywhere*

Will not injure human beings, livestock, dogs, cats, poultry, yet is deadly to rats and mice every time. Poisons are too dangerous. K-R-O does not contain arsenic, phosphorus, barium carbonate or any deadly poison. Made of powdered squill as recommended by the U. S. Dept. of Agriculture in their latest bulletin on "Rat Control."

"One of our good customers just told us he gathered 105 dead rats on his farm from using a 2 oz. package of K-R-O. We hear of many finding 30 or 40 rats after using K-R-O, which is highly successful and should please you."—Wolgamot's Drug Store, Richwood, Ohio.

Pkg. sufficient to kill 200 or more rats, 75c., postpaid.

PASTOXINE

A non-poisonous exterminator of rats and mice. Harmless to man, domestic animals or poultry. 1 oz. package, enough to kill 100 rats, 50c., postpaid 55c.

Common Sense Exterminator



KILLS RATS

*Why feed rats when a 25c can of "Common Sense" will clean them out?*

Not mailable

MOUSE SEED

*The Modern Exterminator—A Seed That Kills Mice*

*Guaranteed by Good Housekeeping and Modern Priscilla*

"Mouse Seed" is clean, quick and dependable. It is fed to mice as it comes from the package. No baits, no fuss or muss. Simply sprinkle "Mouse Seed" where mice frequent. It attracts—mice prefer it to food-stuffs. They eat it readily and quickly vanish. They seek the outdoors to die. 25c. Fully guaranteed; not mailable.

CYANOGLAS

**Calcium Cyanide (Crude)—A-Dust**

Kills rats, mice, moles, pocket gophers, ground squirrels, woodchucks, ants, fleas, bees, roaches, and moths. *Directions*—For rats and mice: Pump dust in open rat hole with Cyanogas duster. Plug all holes from which dust is seen to emerge. Continue pumping until reasonably sure that the dust has permeated the rat warrens. Remove duster nozzle and block hole. Treat next open hole in same manner. Continue until all holes have been plugged. ½ lb. 45c., lb. 75c., 5 lbs. \$3.00. Not mailable.

PURE CEDAR BEDDING

For use with dogs, poultry and pets. A preventive of disease and vermin.

100 lb. bales.....\$5.75  
50 lb. bales..... 3.25  
25 lb. bales..... 1.75  
10 lb. bales (can be mailed) 85c., p.p. 1.00  
5 lb. bags Cedar Chips 50c., p.p. .63

FRAMINGHAM CEDAR BEDDING

Preferred by many dog owners. 10 lbs. \$1.25, postpaid \$1.43; 25 lbs. \$2.25, 50 lbs. \$3.75, 100 lbs. \$6.50.

Freight or express—F.o.b. Baltimore, Md.



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LADY  
HILLINGDON

## M.-S. ROSE SPECIALS

Dormant and paraffined to prevent drying

**AMERICAN BEAUTY.** Deep pink to carmine-cerise, delicately veined with darker red. A strong grower.

**DAME EDITH HELEN.** Shapely buds and substantial high centered blooms of clear pink, sweetly scented. Very free flowering.

**ETOILE DE FRANCE.** Crimson with darker shading; very free flowering and fragrant.

**GENERAL JACQUEMINOT.** Brilliant scarlet crimson; fragrant.

**JONKHEER J. L. MOCK.** The flowers are large and of more than ordinary beauty. The deep imperial pink on the outside of the petals, and the shining silvery pink on the inside, make a double colored bloom.

**KAISERIN AUGUSTA VIKTORIA.** Should be in every collection. In color it is a soft pearly white tinted with lemon.

**KILLARNEY DOUBLE WHITE.** Pure white. A beautiful Rose.

**LADY HILLINGDON.** One of the best Tea Roses of its color, deep apricot yellow throughout. It varies from medium to large size and is very beautiful both in bud and in flower.

**RADIANCE.** Is an ideal bedder, producing large flowers throughout the Summer when many other varieties are out of bloom; in color a beautiful even shade of pink.

**RED RADIANCE.** Bright cerise-red. Very hardy and fragrant.

**SUNBURST.** A vigorous grower with erect or slightly spreading habit and dark bronzy foliage. The flowers are elongated cup form; color a superb yellow passing to yellow-orange in the center.

**TALISMAN.** A new Rose of exceptional coloring; the outside of the petals is bright yellow, gold and pink. The bud is long, pointed and opens into a full double flower. A strong grower with glossy foliage and very free flowering. Any of the above 40c each, 50c postpaid

### M.-S. Special Rose Offer

This exceptional dozen of two year old strong, dormant bushes, ready to plant, with five pounds of special rose food, \$4.00; postpaid, \$4.25.

Six of the above, your selection, \$2.25; postpaid, \$2.50.

Potted Roses, any variety, after May 1st

## M.-S. GLADIOLUS SPECIALS

**BETTY NUTHALL.** The glory of the garden. A sparkling, iridescent orange-pink, deepening to coral on the petal reverse. The lower throat is golden orange, lined with carmine rose. The flowers are often more than 6 inches across and of splendid substance and placement.

**DR. F. E. BENNETT.** Shows up like "house-on-fire" in any collection. Bright scarlet, large flower.

**GOLDEN DREAM.** Clear deep yellow; long stems; a very fine new introduction.

**MARMORA.** Extra large, lavender gray flowers with pale purplish blotch, on long stems; 8 to 12 flowers open at one time. This is one of the finest varieties introduced so far.

**MRS. F. C. HORNBERGER.** Many Gladiolus have been described as snowy white, but very few of them have been without at least a faint overlay of ivory, or flushing of pink. This sort is really as white as new snow, with not even a throat marking. Fine, large ruffled flowers on good spikes.

**PFITZER'S TRIUMPH.** Enormous blooms of bright salmon orange, with very small, deeper throat blotch; on account of the gigantic flowers, the stems require staking; early. This variety is a sensation at all shows; ideal for exhibition purposes.

### M.-S. Special Gladiolus Collection

2 of each of the above 6 varieties (12 bulbs). \$0.75

4 of each of the above 6 varieties (24 bulbs). 1.25

8 of each of the above 6 varieties (48 bulbs). 2.25

16 of each of the above 6 varieties (96 bulbs). 4.00

Postpaid



PFITZER'S TRIUMPH

A detailed black and white illustration of a pea pod and a tomato. The pea pod is on the left, partially open to reveal several round peas inside. The tomato is on the right, large and round with a short stem and a small leaf. The background is plain white.

# MEYER SEEDS MAKE SURE MAXIMUM SATISFACTION

**M.-S. WORLD'S RECORD.** Medium vines of dark green color and heavy foliage, bearing large, handsome, well filled pods measuring sometimes 4 inches and longer, filled with from 8 to 12 tender, luscious Peas. Pkt. 10c., pt. 25c., P.P. 35c.; qt. 40c., P.P. 50c.;  $\frac{1}{2}$  peck \$1.50, P.P. \$1.65; peck \$2.75, P.P. \$3.00; bus. \$10.00, P.P. \$10.50.

**M.-S. BIG CHIEF.** A grand main crop Tomato of the very highest quality. It produces an abundance of large, handsome red fruit which ripens clean to the stem and will bear heavily from the early part of July until frost. It is a very shy seeder. The meat is deliciously juicy and free from acid. It is rare to see an ill-shaped fruit on a M.-S. Big Chief vine. We have tested this valuable variety very carefully and have always been more than satisfied with the results. Order quickly as the seed is scarce. Grown exclusively by us. Pkt. 25c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.75, lb. \$6.00, postpaid.

**M.-S.  
"WORLD'S RECORD"  
PEA**

**M.-S.  
"BIG CHIEF"  
TOMATO**